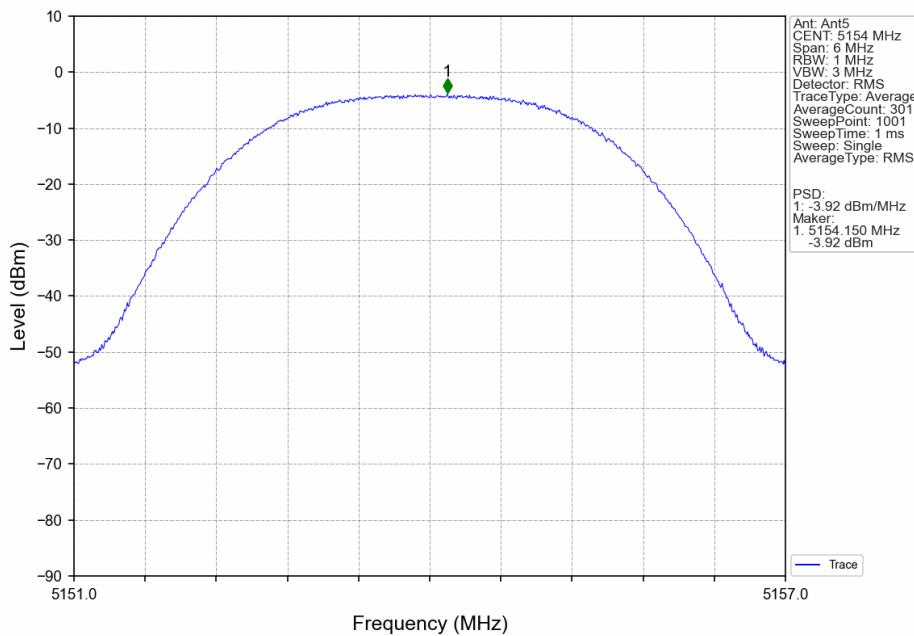
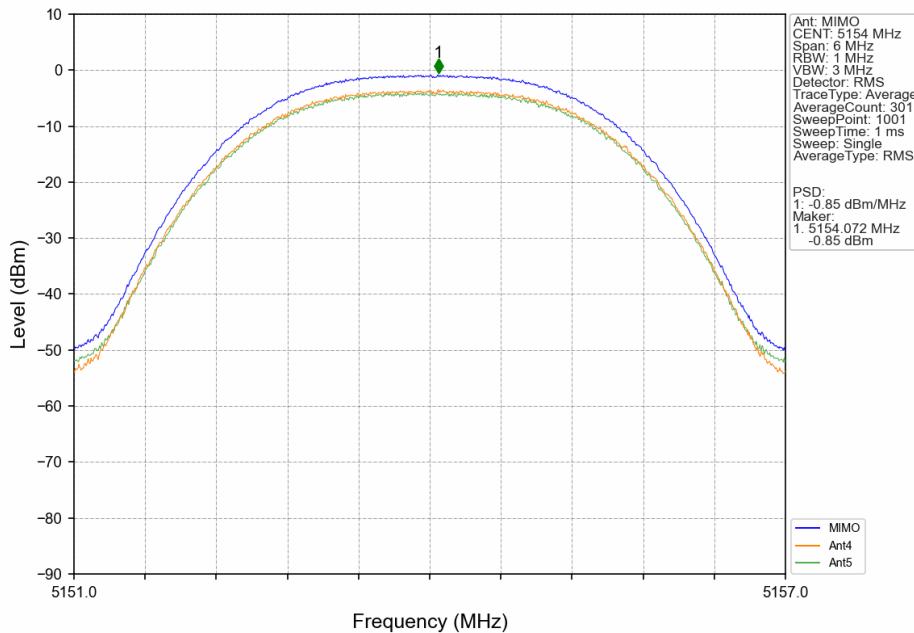
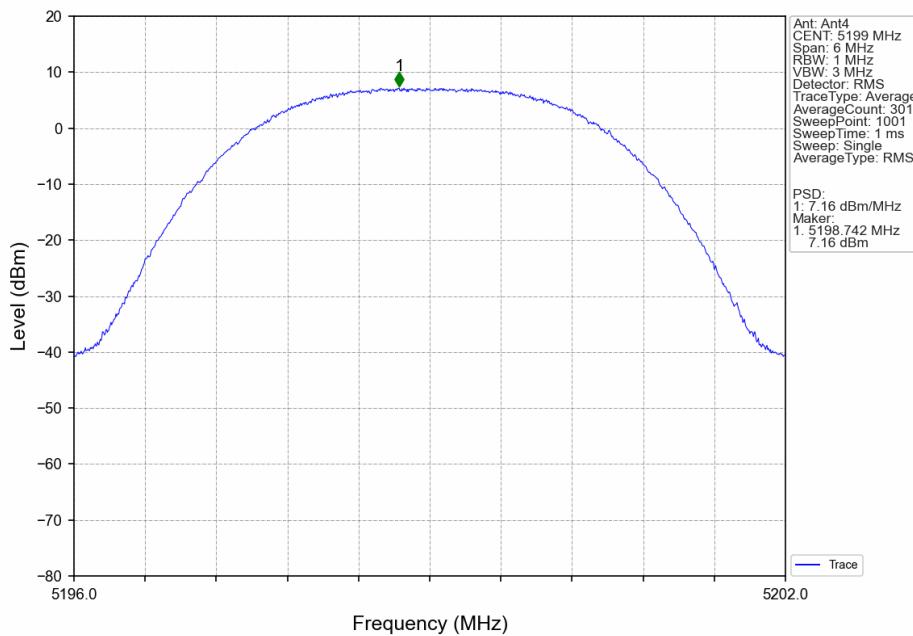
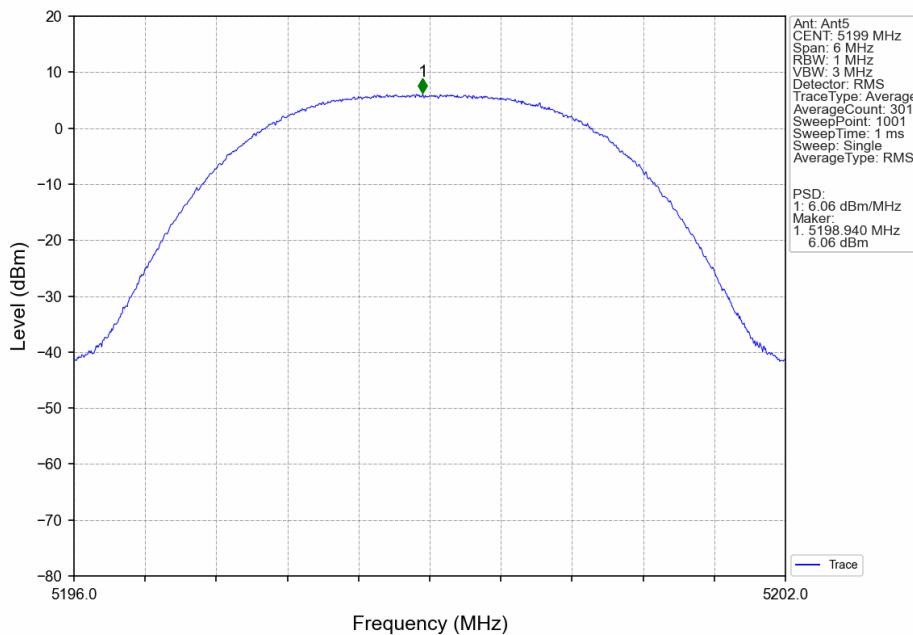


3M_LCH_5154MHz_Ant5_NTNV**3M_LCH_5154MHz_MIMO_NTNV**

3M_MCH_5199MHz_Ant4_NTNV**3M_MCH_5199MHz_Ant5_NTNV**

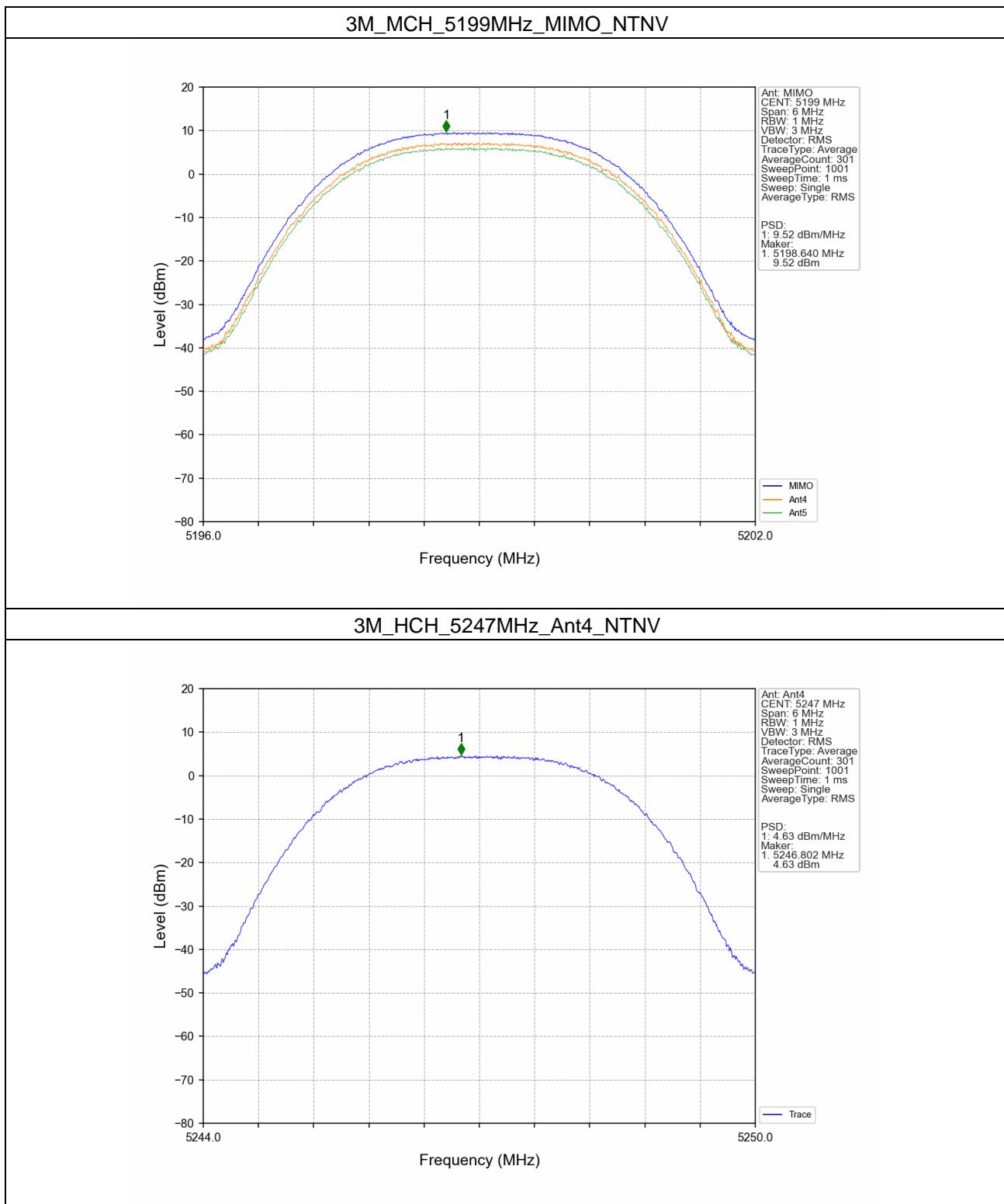
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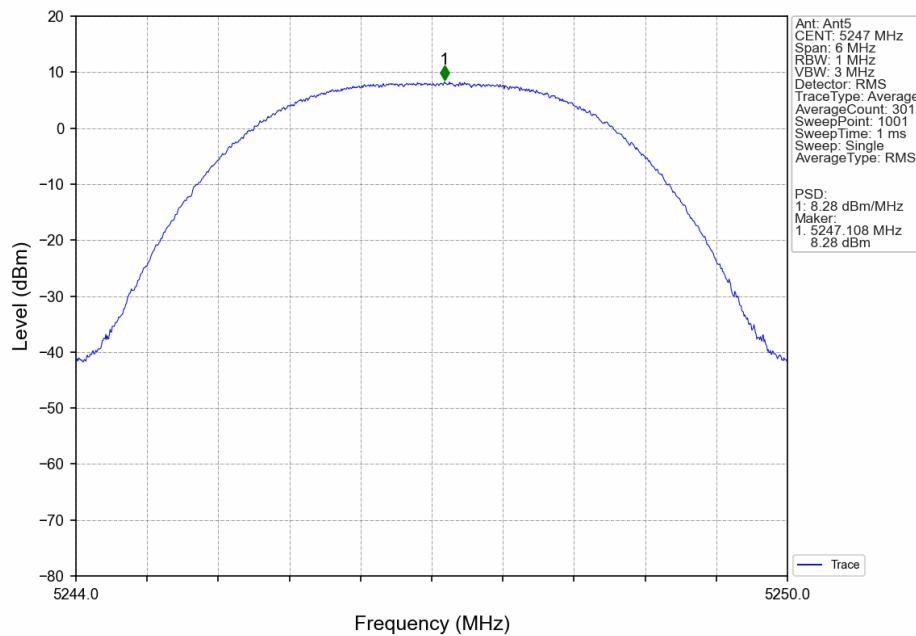
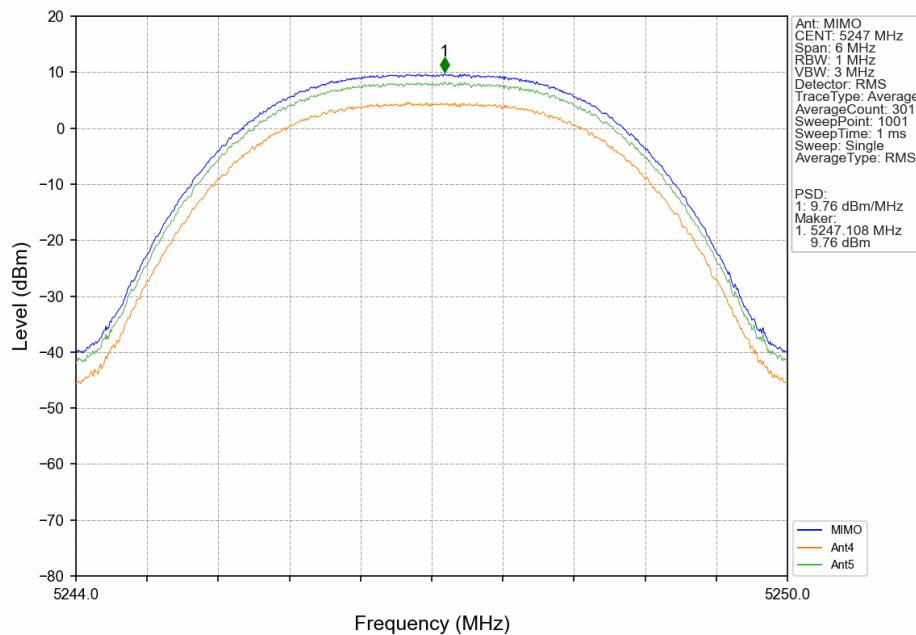


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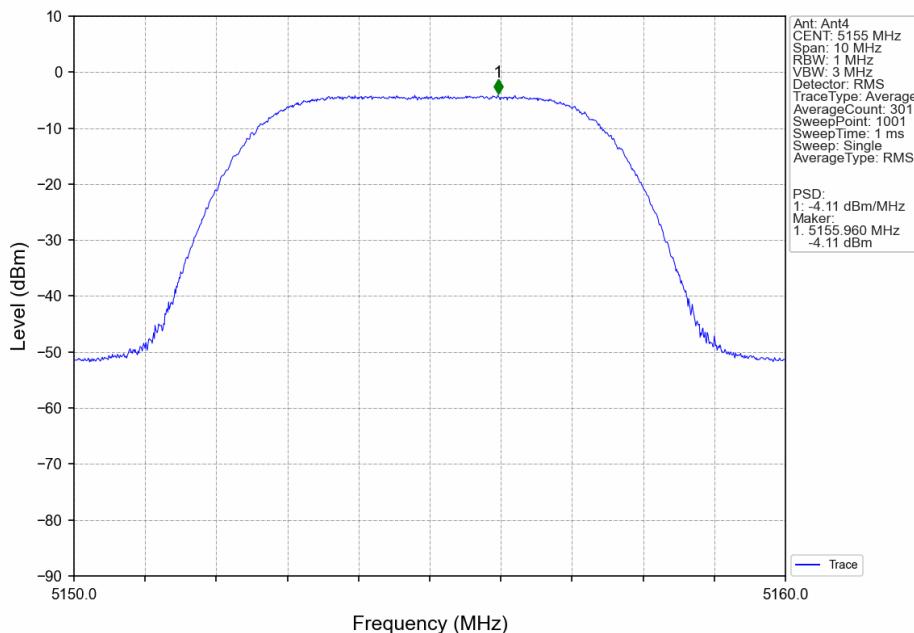
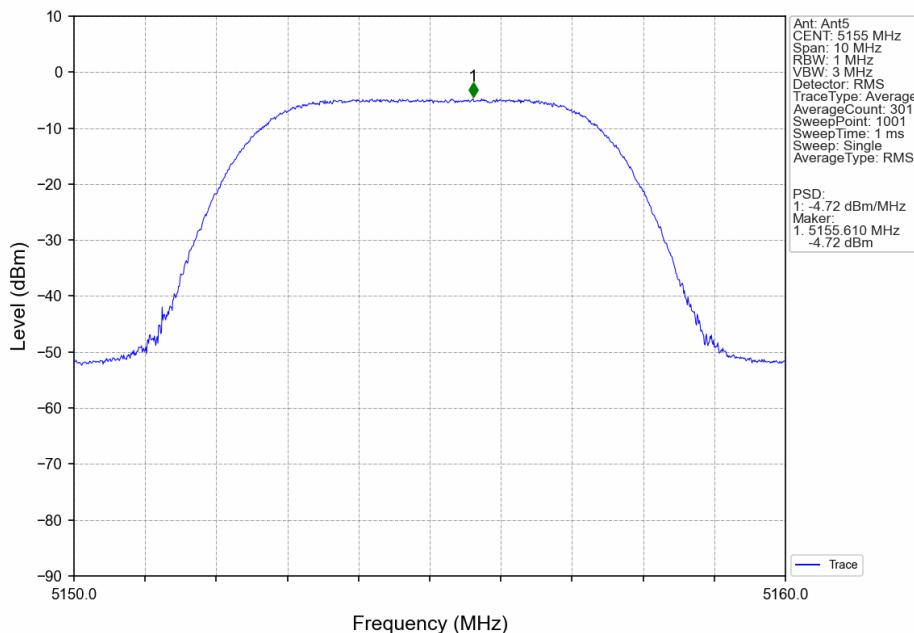


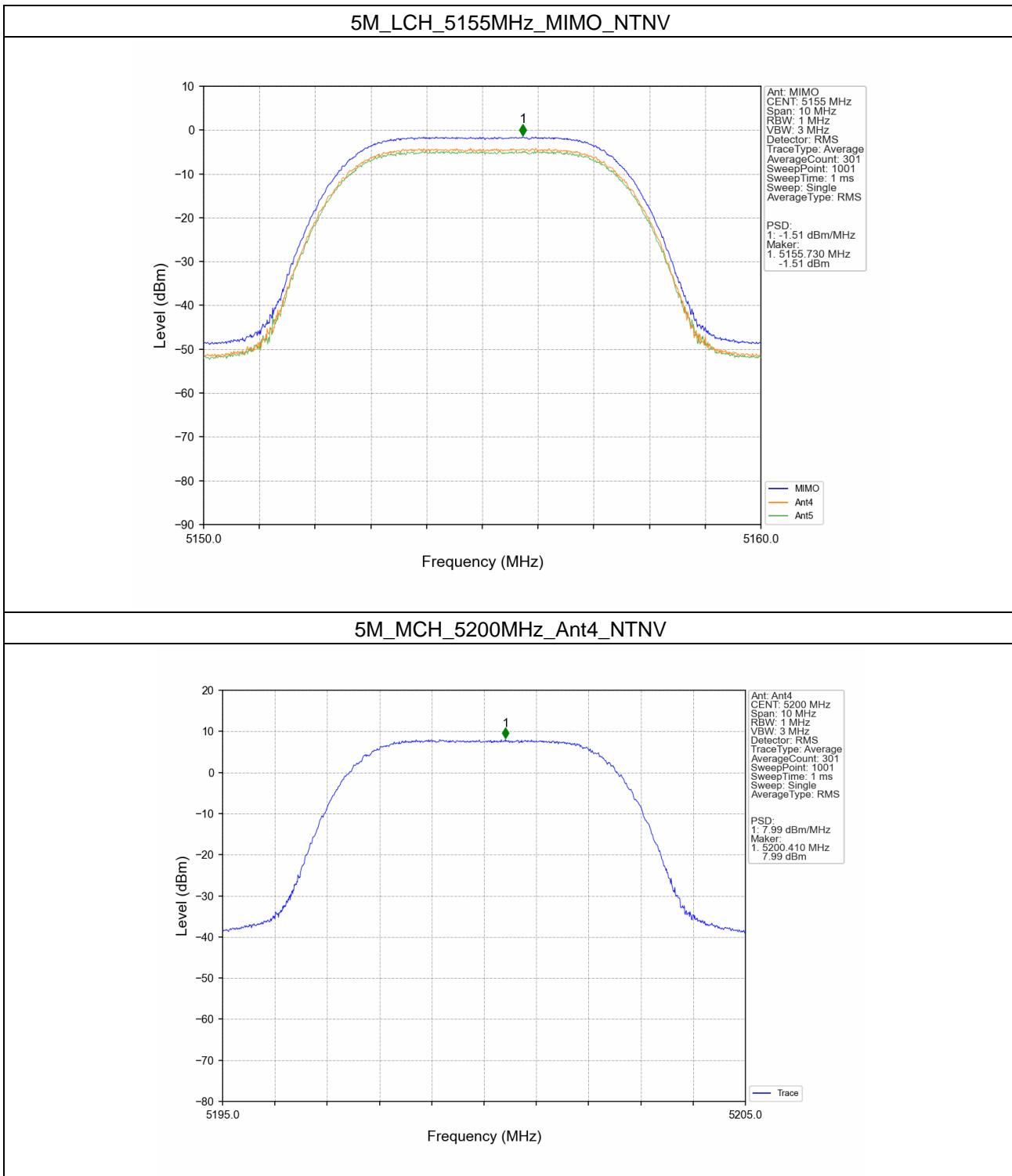
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3M_HCH_5247MHz_Ant5_NTNV**3M_HCH_5247MHz_MIMO_NTNV**

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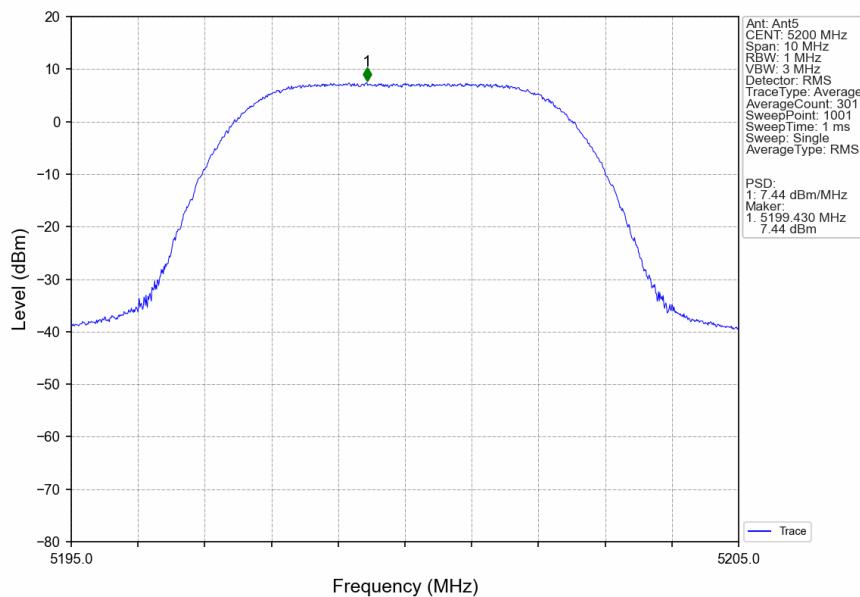
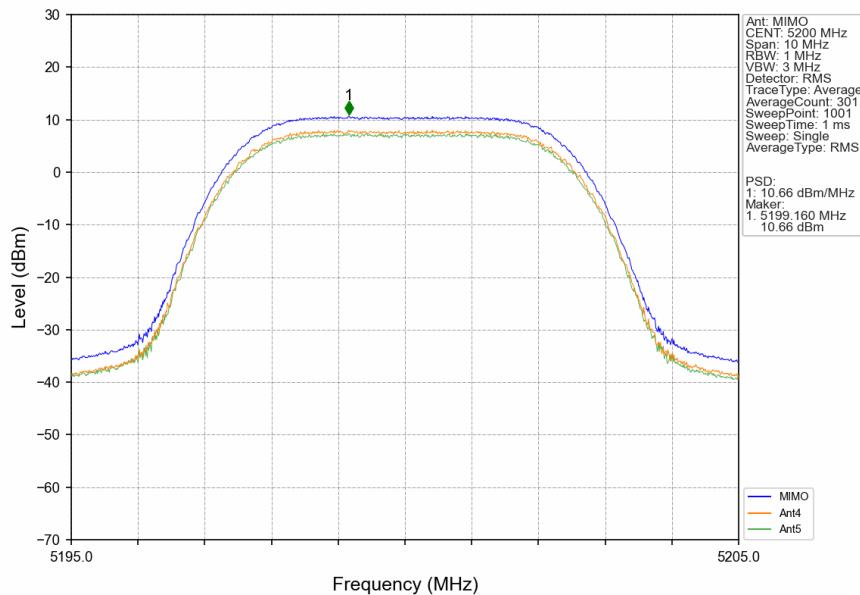
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5M_LCH_5155MHz_Ant4_NTNV**5M_LCH_5155MHz_Ant5_NTNV**



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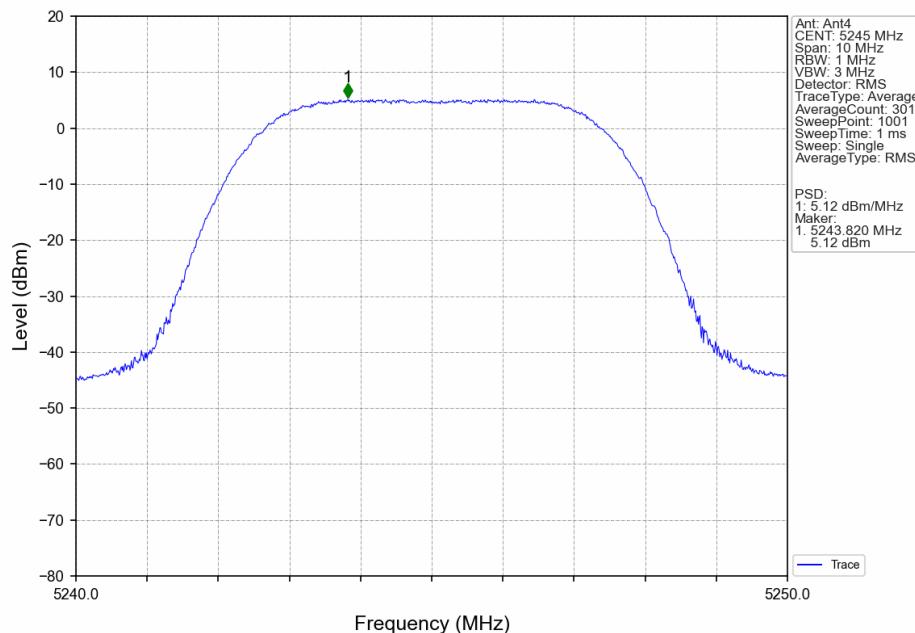
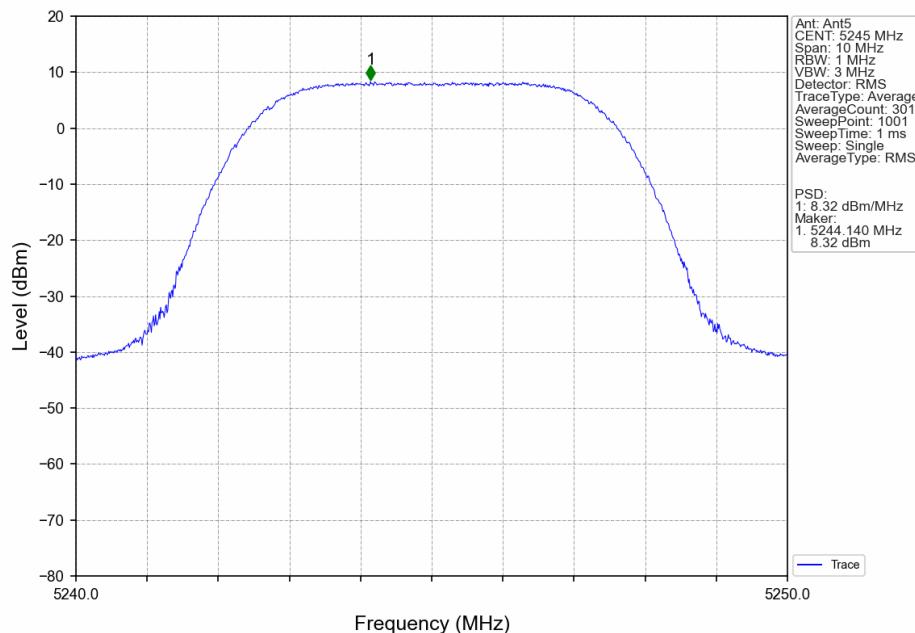
5M_MCH_5200MHz_Ant5_NTNV**5M_MCH_5200MHz_MIMO_NTNV**

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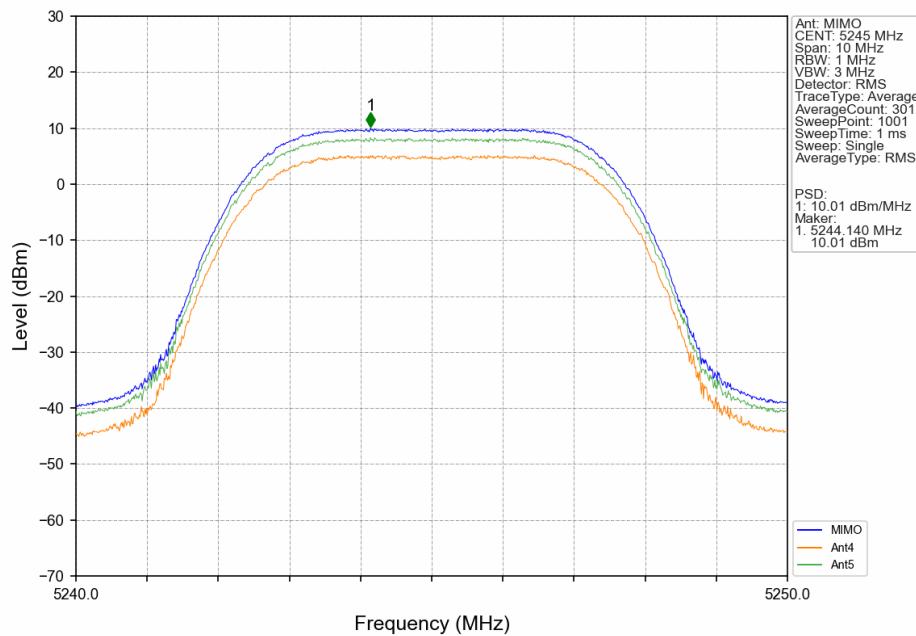
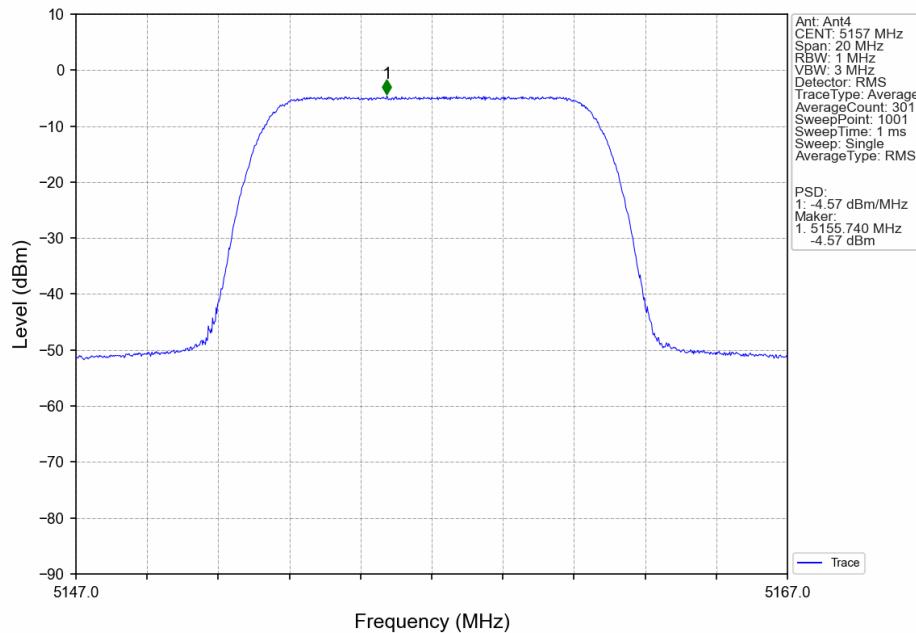


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5M_HCH_5245MHz_Ant4_NTNV**5M_HCH_5245MHz_Ant5_NTNV**

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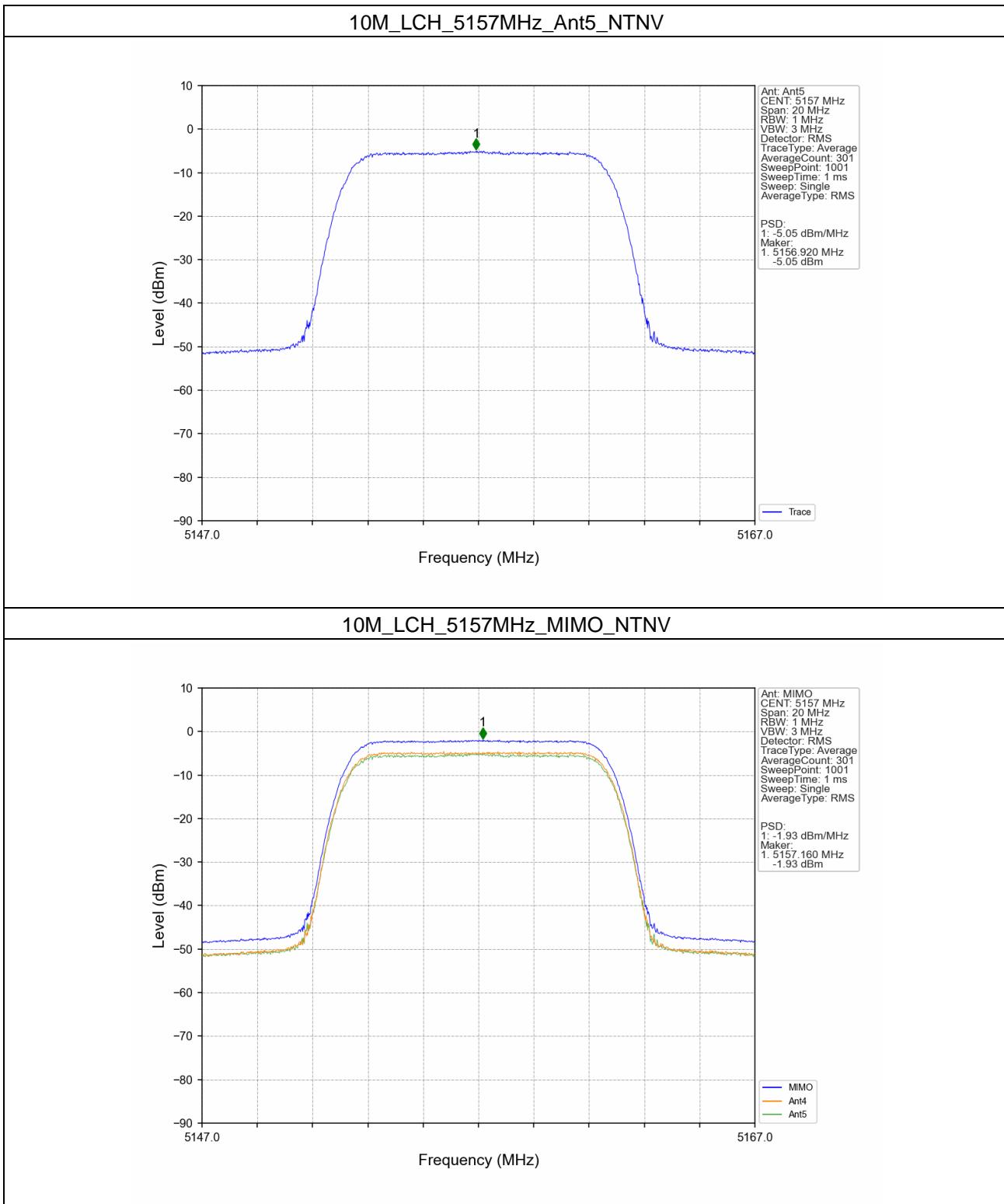
5M_HCH_5245MHz_MIMO_NTNV**10M_LCH_5157MHz_Ant4_NTNV**

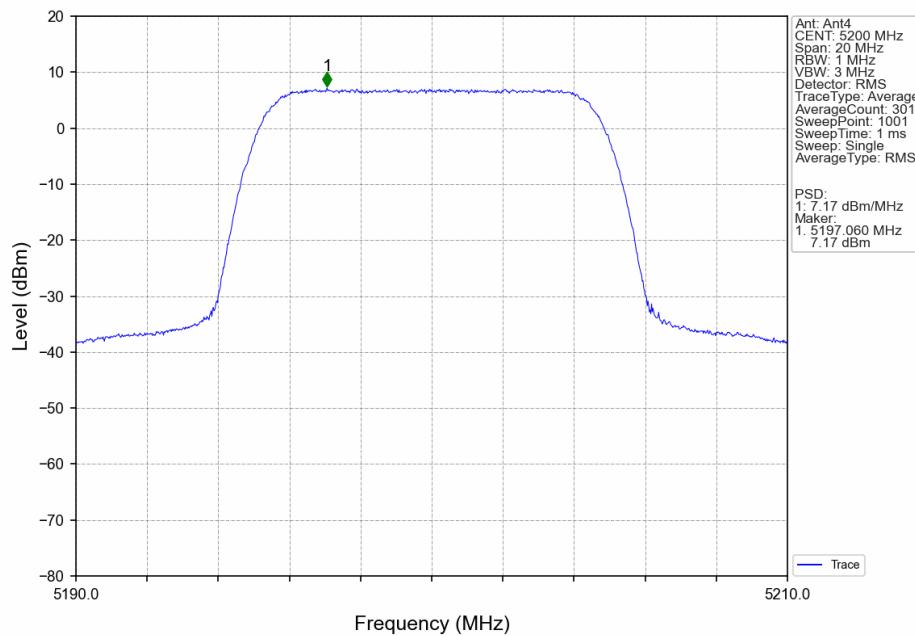
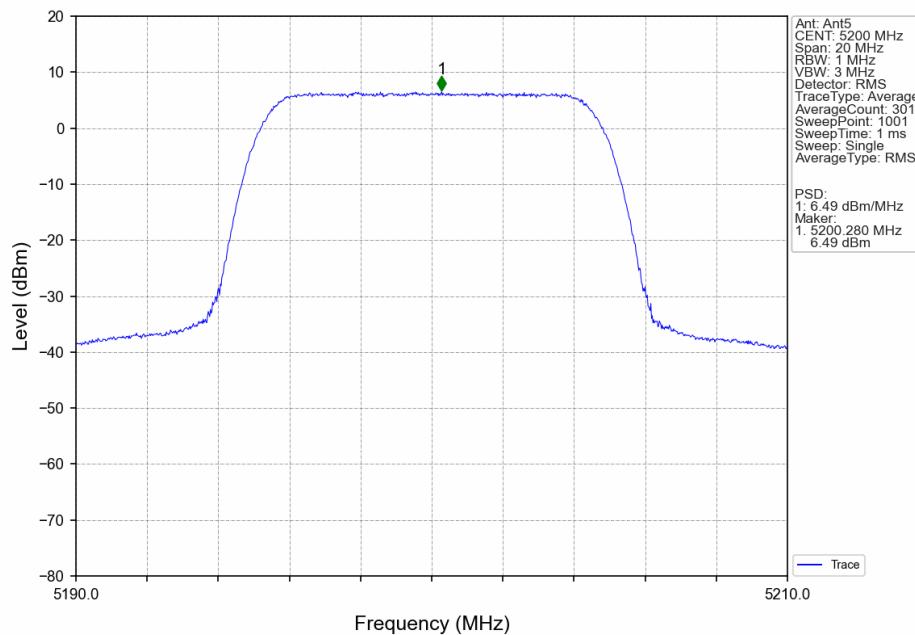
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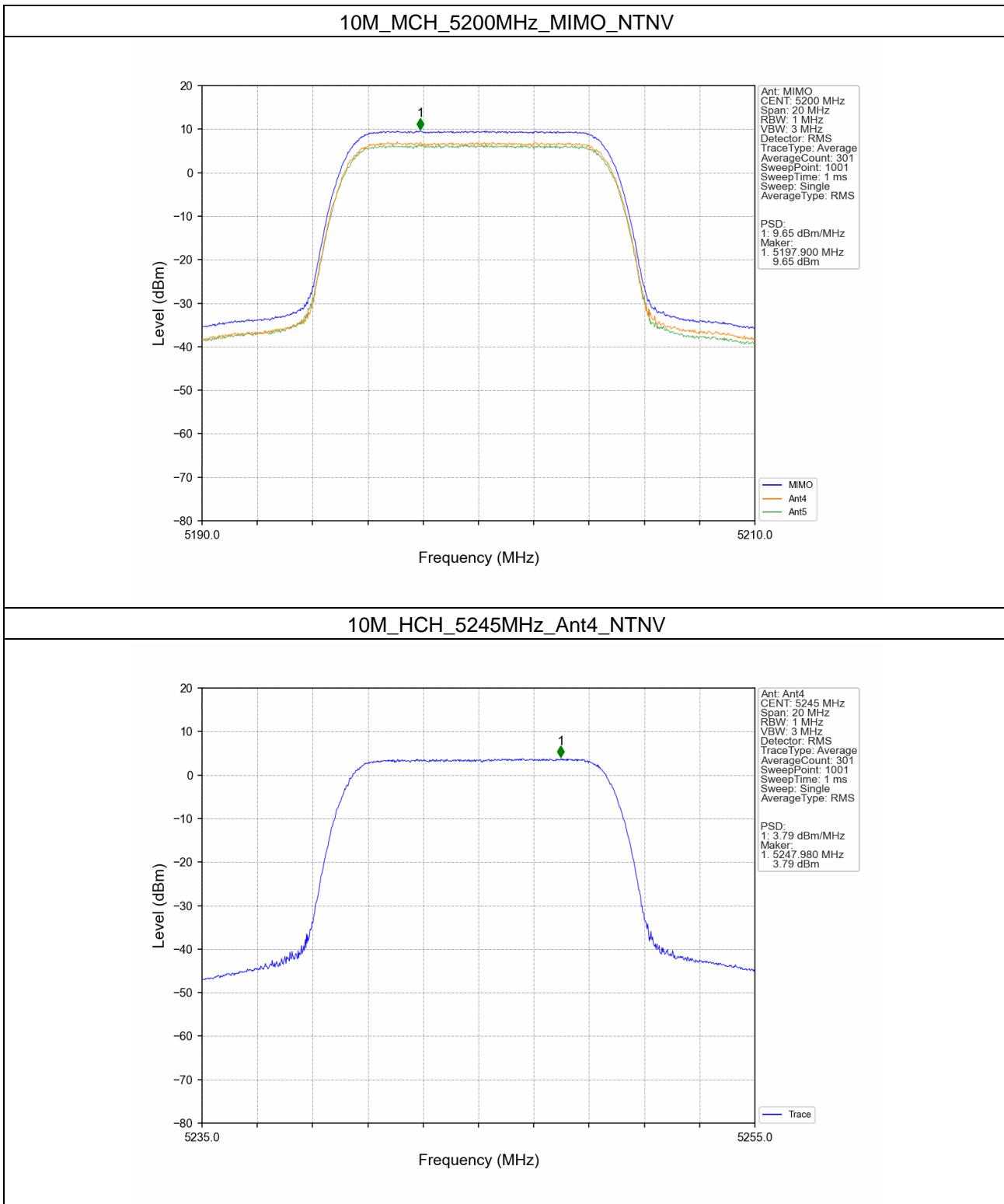
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10M_MCH_5200MHz_Ant4_NTNV**10M_MCH_5200MHz_Ant5_NTNV**

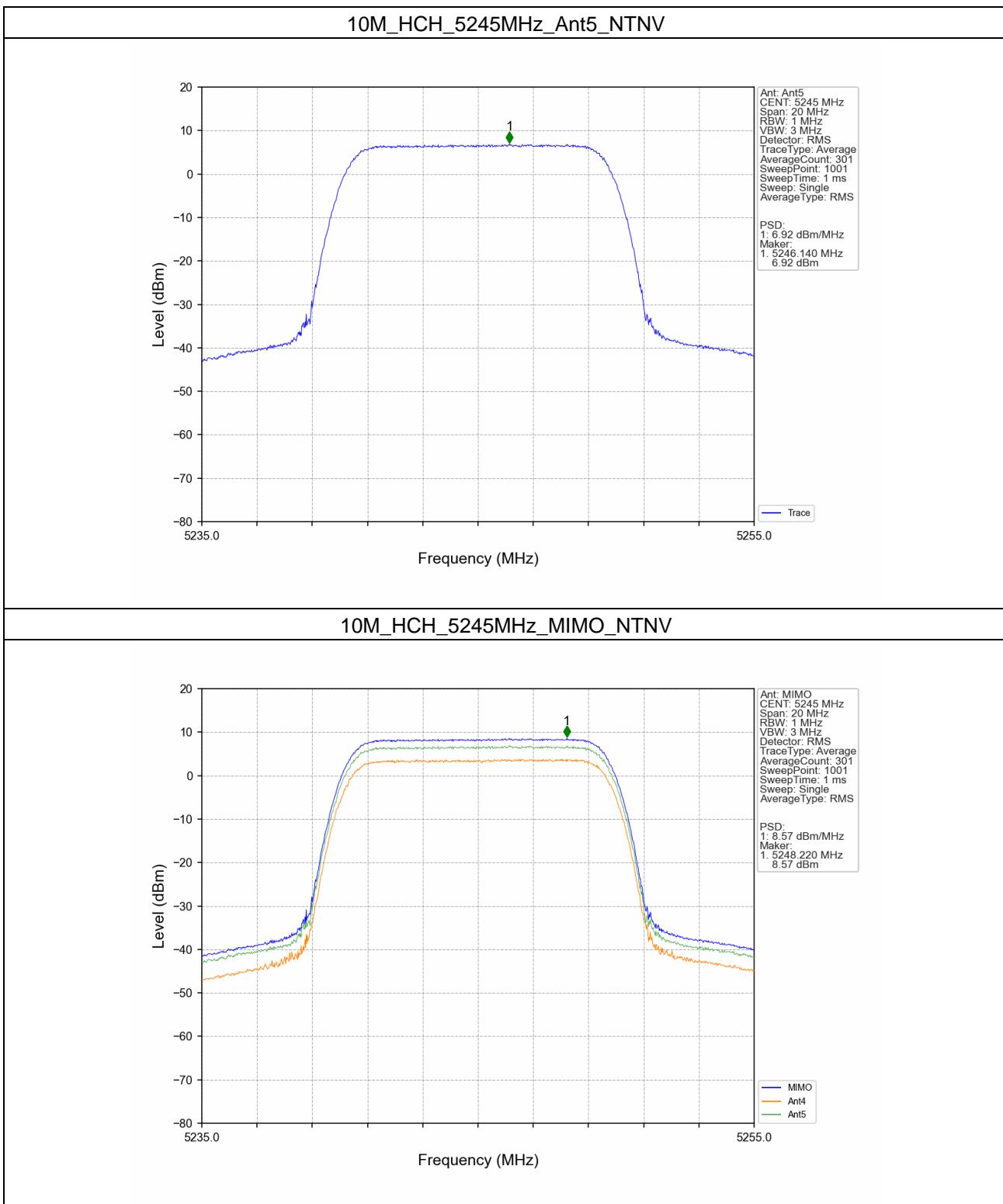


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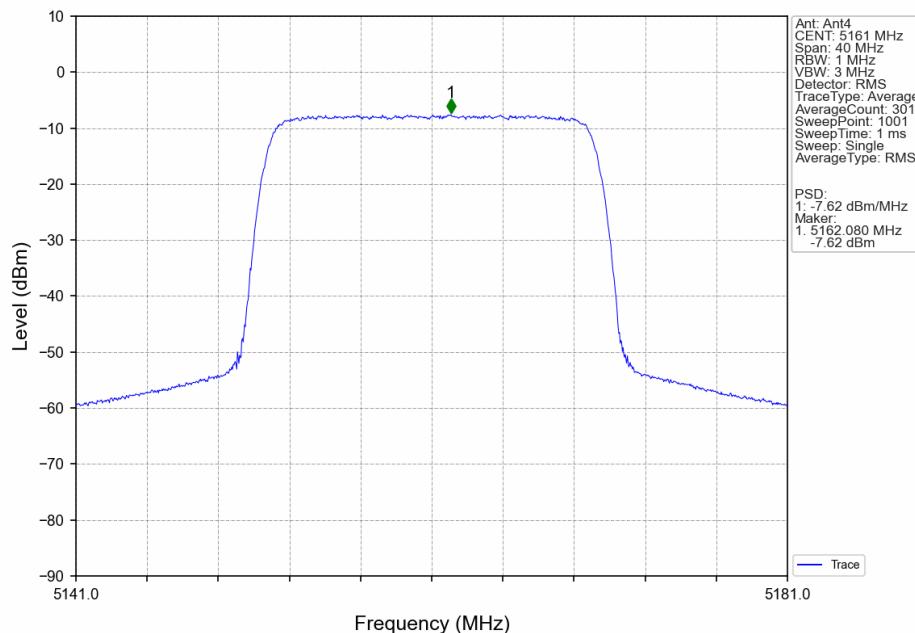
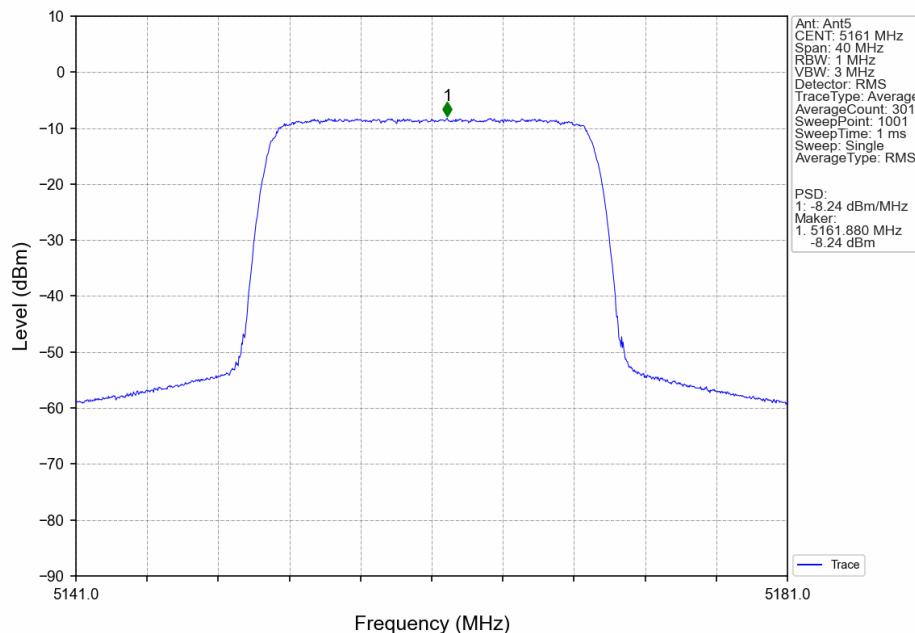


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20M_LCH_5161MHz_Ant4_NTNV**20M_LCH_5161MHz_Ant5_NTNV**

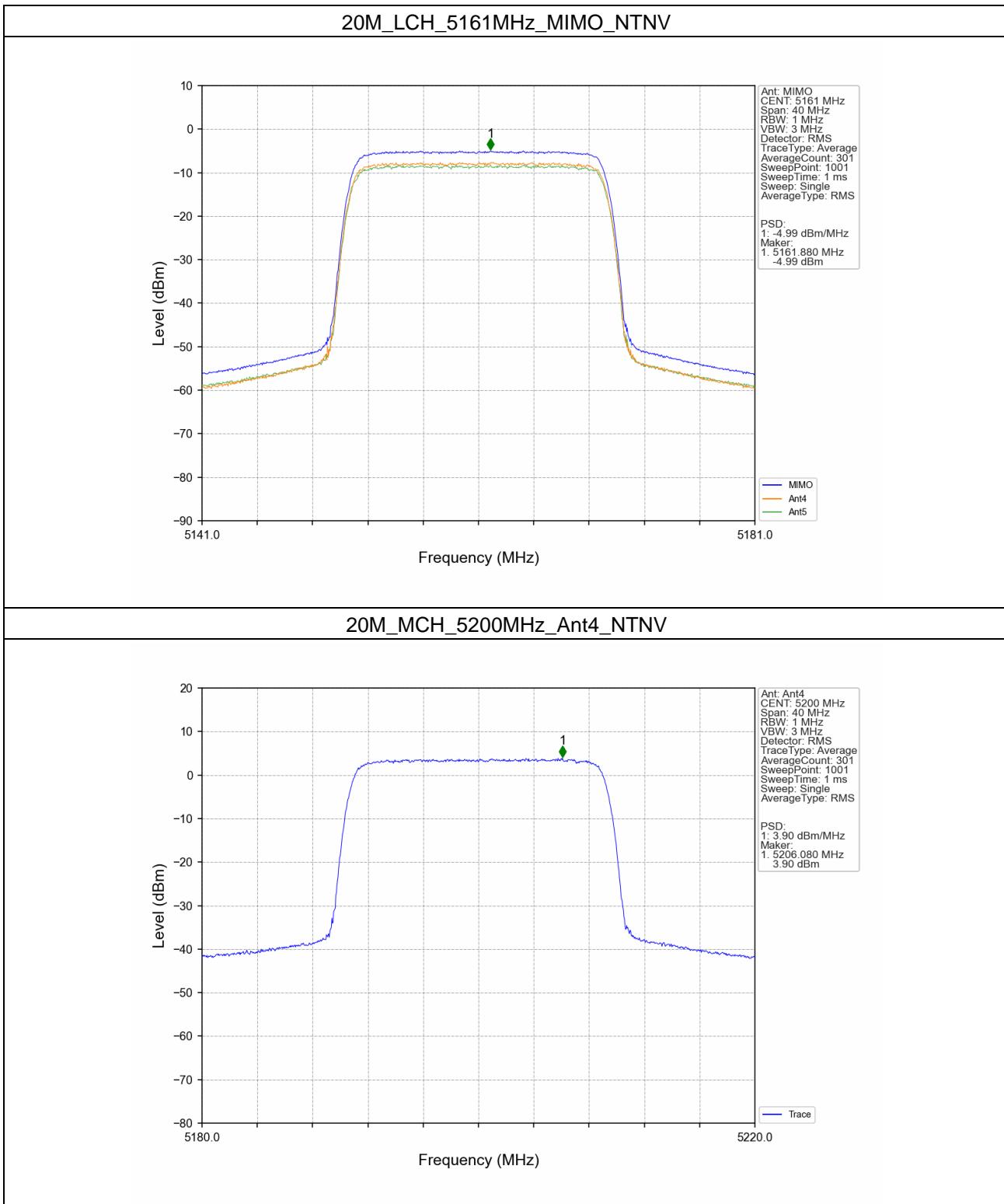
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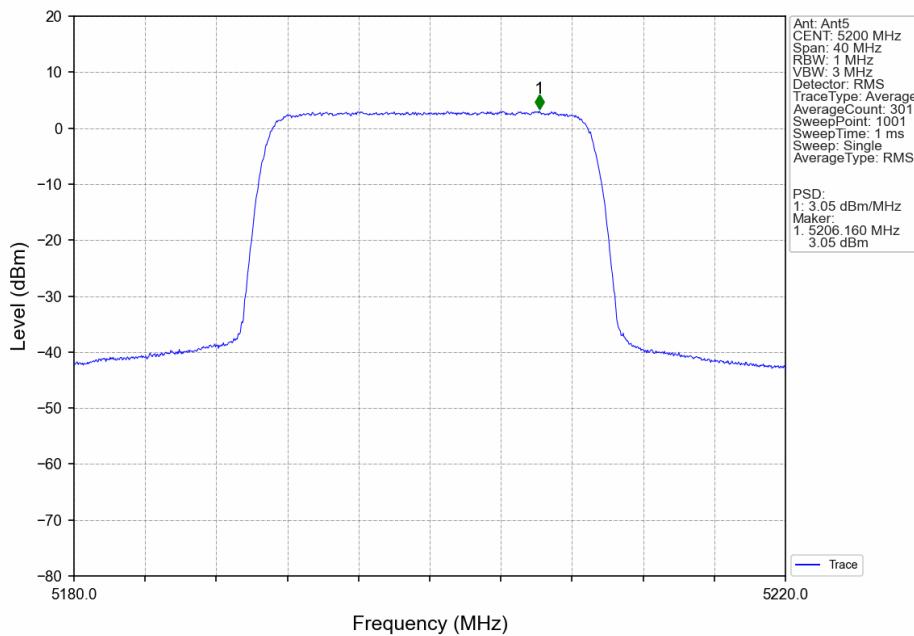
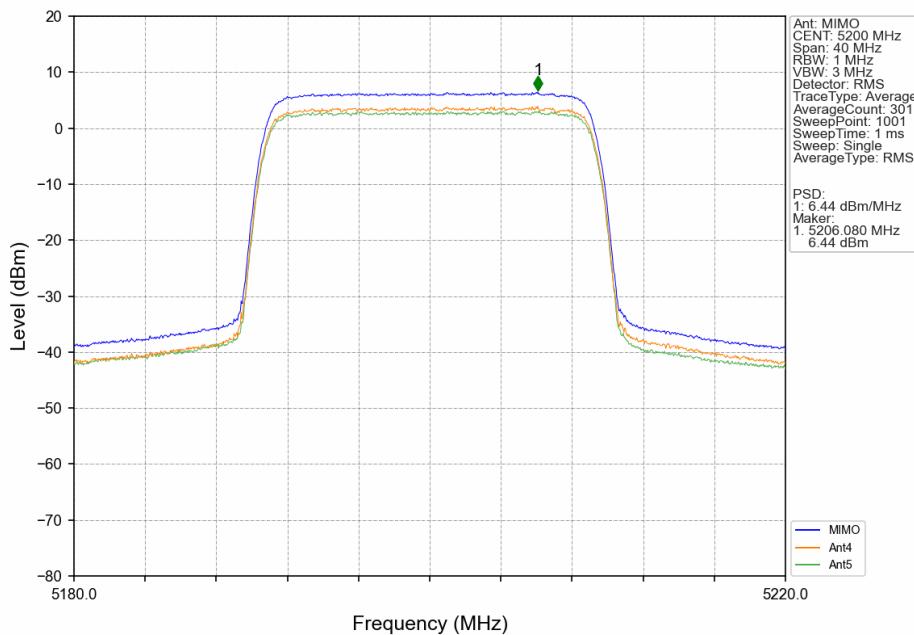
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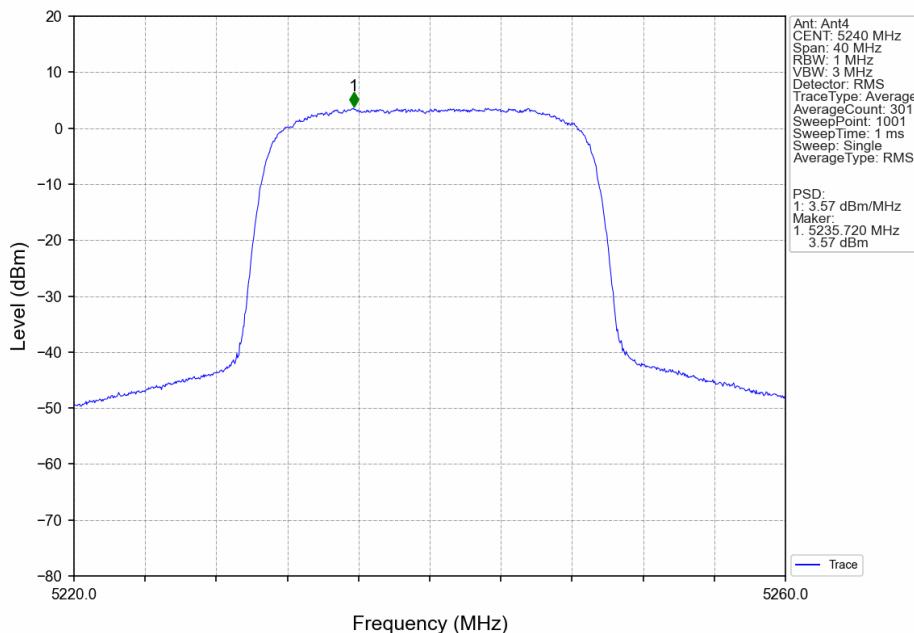
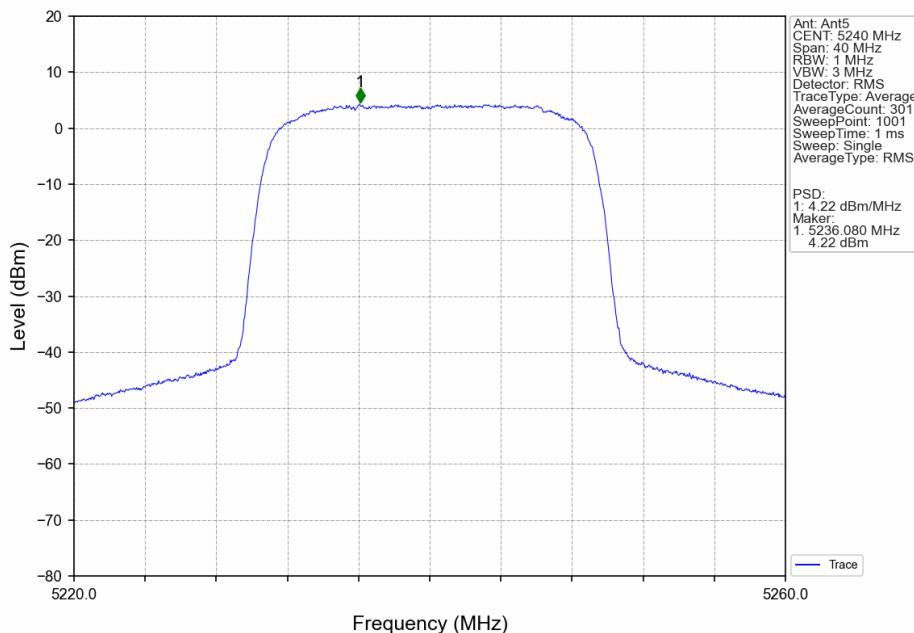
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20M_MCH_5200MHz_Ant5_NTNV**20M_MCH_5200MHz_MIMO_NTNV**

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20M_HCH_5240MHz_Ant4_NTNV**20M_HCH_5240MHz_Ant5_NTNV**

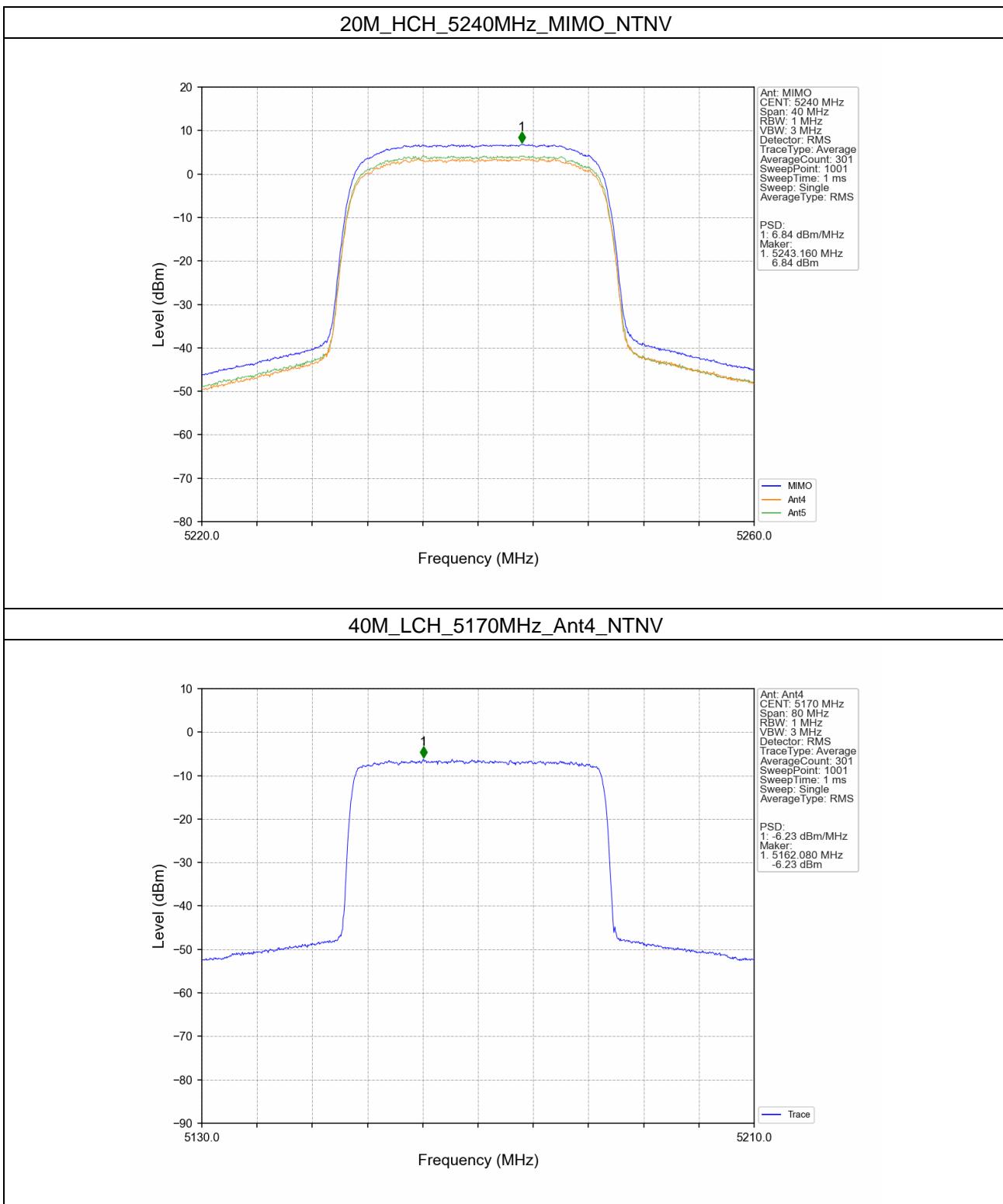
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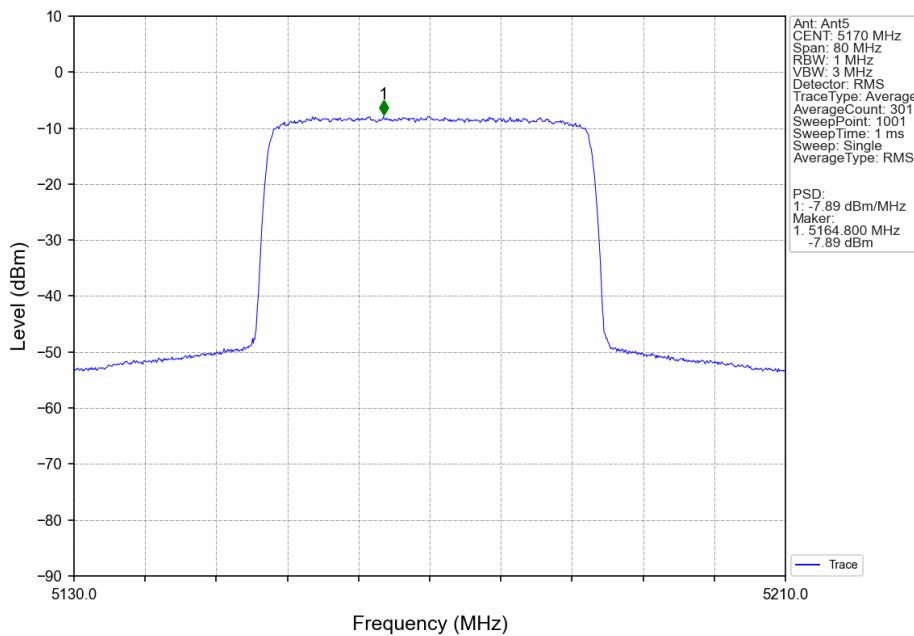
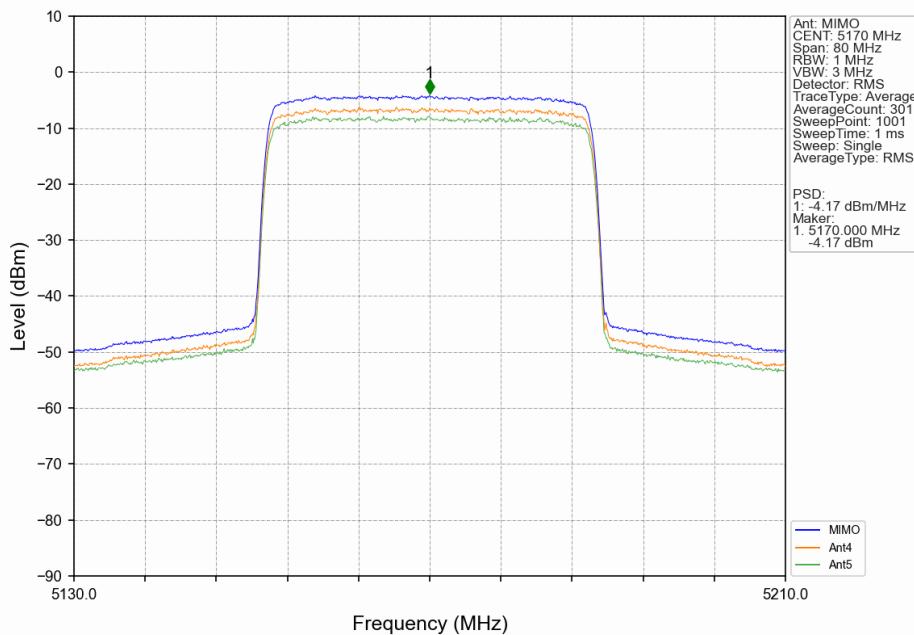
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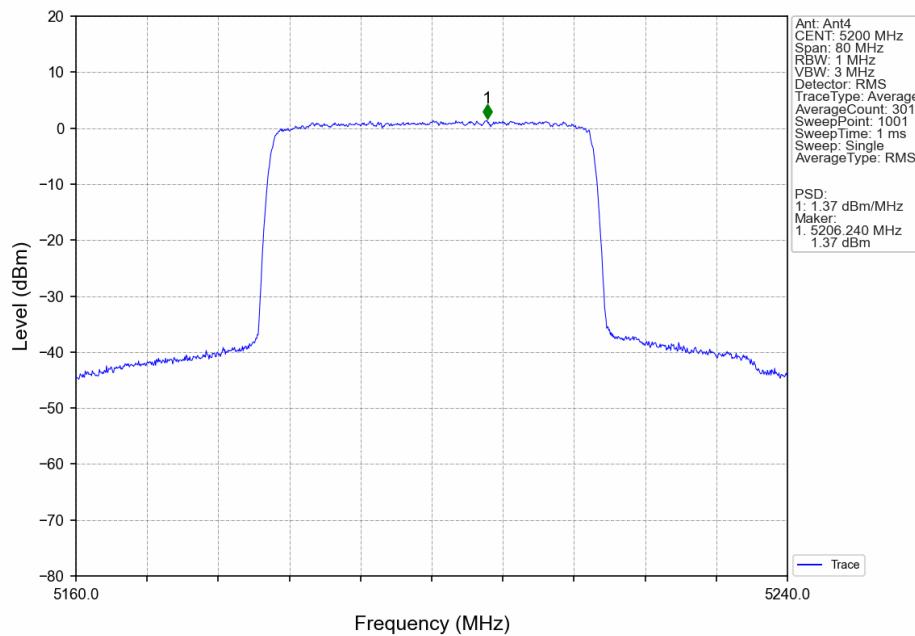
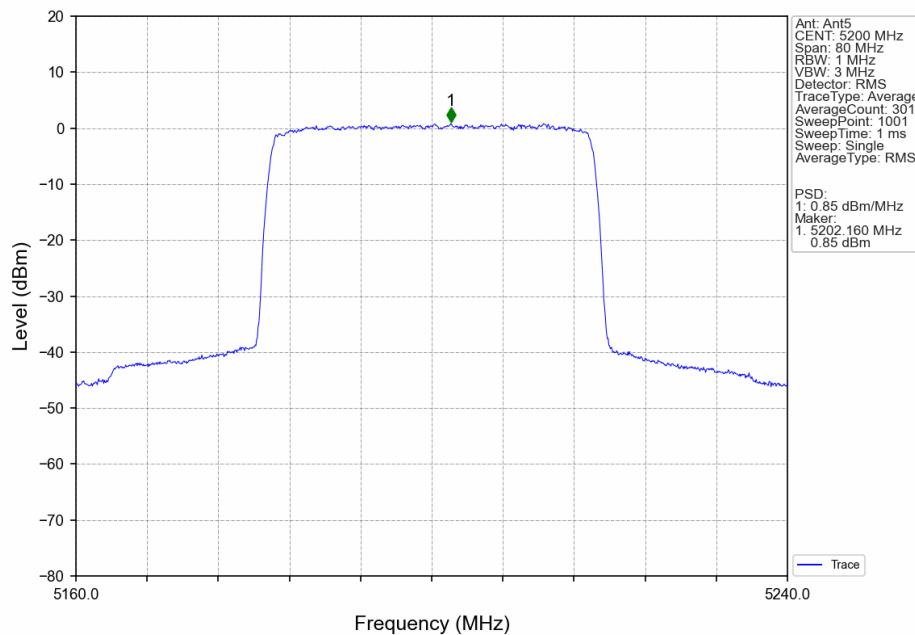


40M_LCH_5170MHz_Ant5_NTNV**40M_LCH_5170MHz_MIMO_NTNV**

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40M_MCH_5200MHz_Ant4_NTNV**40M_MCH_5200MHz_Ant5_NTNV**

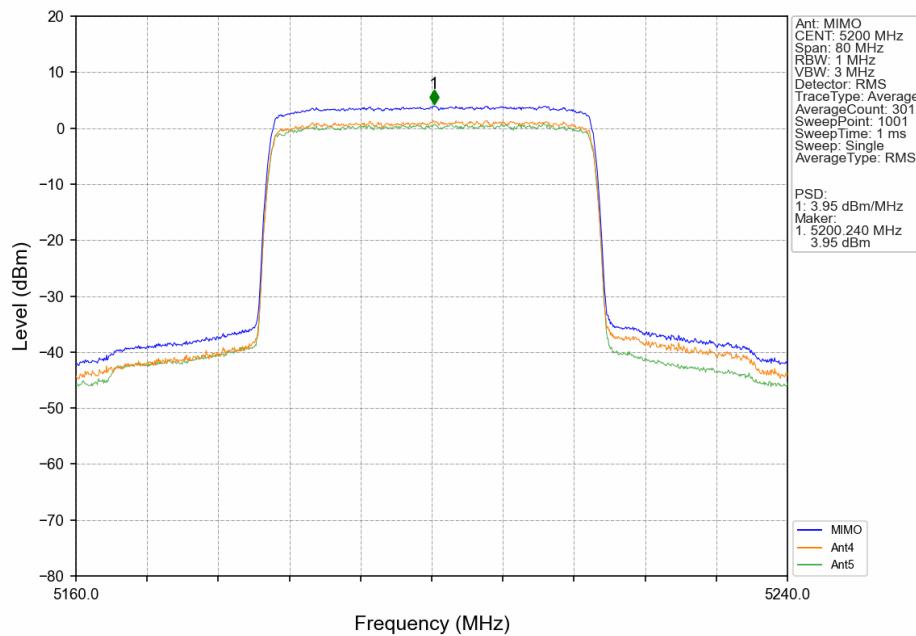
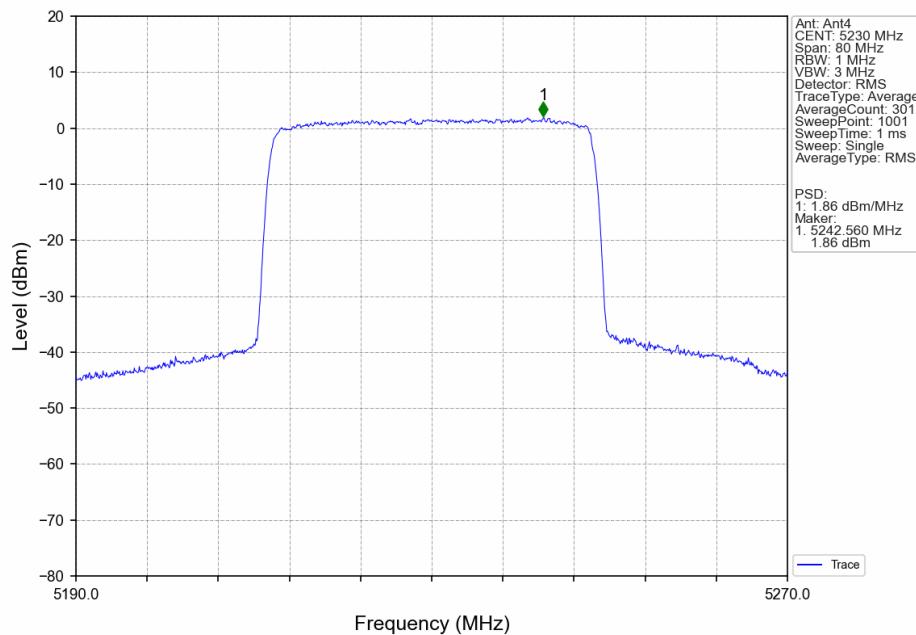
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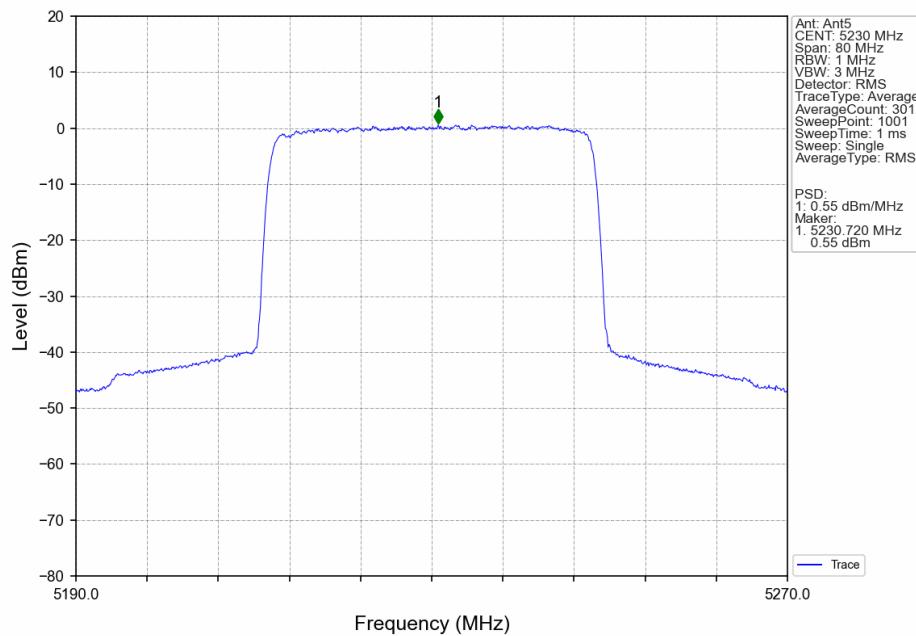
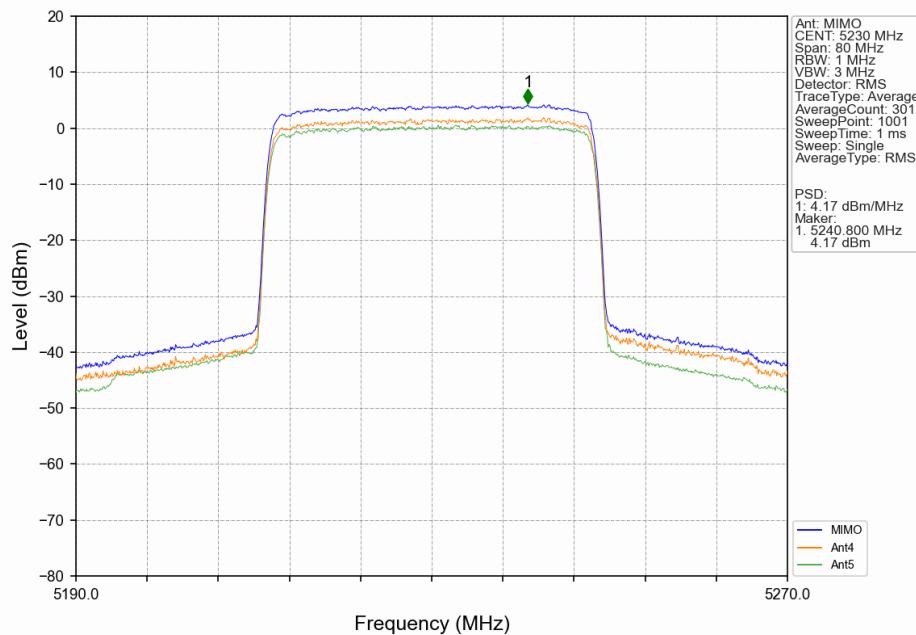
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40M_MCH_5200MHz_MIMO_NTNV**40M_HCH_5230MHz_Ant4_NTNV**

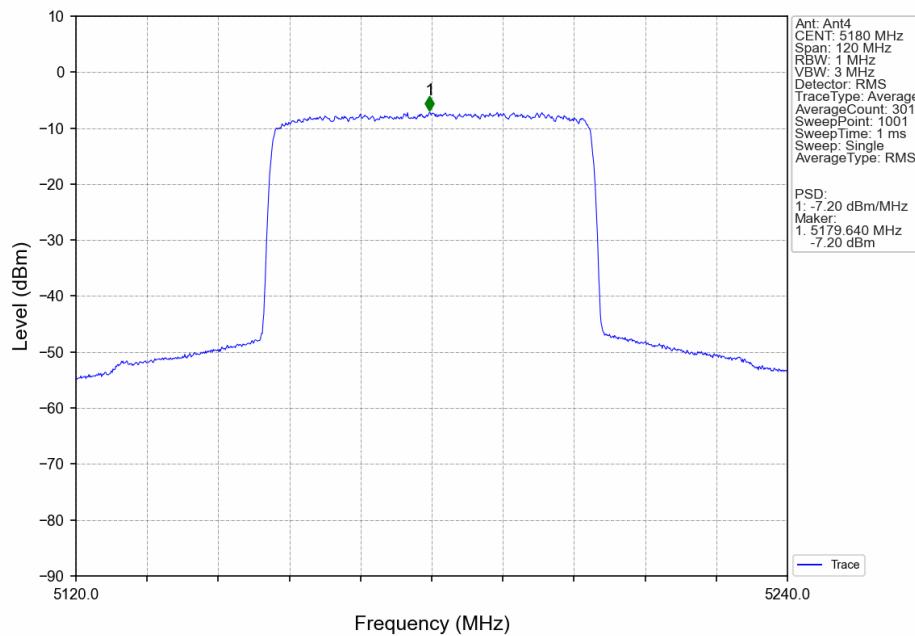
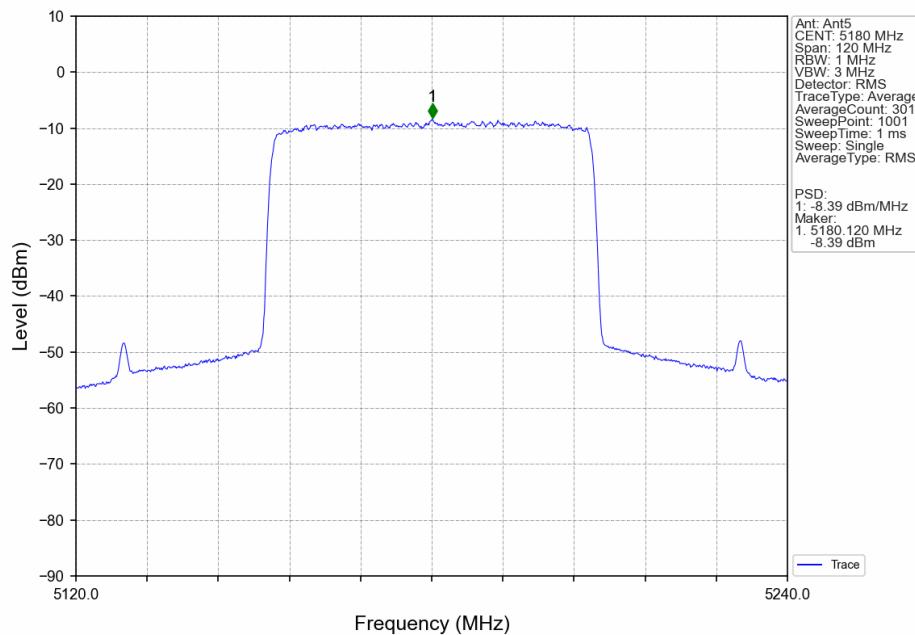
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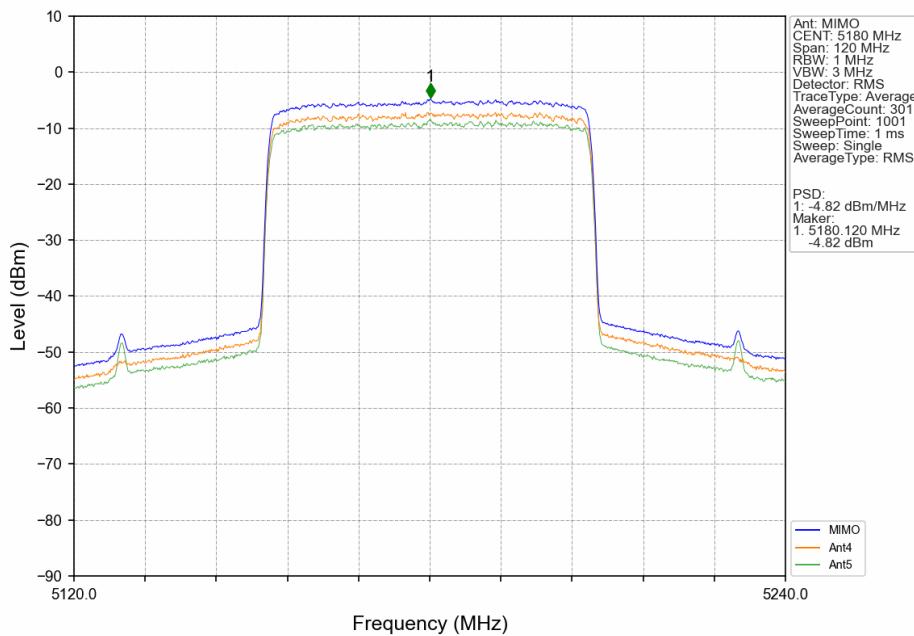
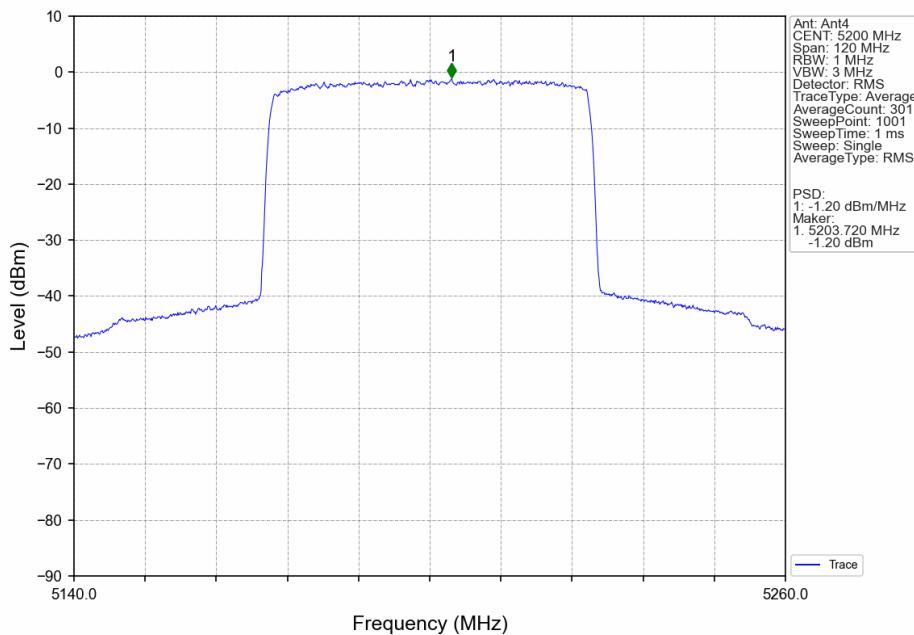
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40M_HCH_5230MHz_Ant5_NTNV**40M_HCH_5230MHz_MIMO_NTNV**

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60M_LCH_5180MHz_Ant4_NTNV**60M_LCH_5180MHz_Ant5_NTNV**

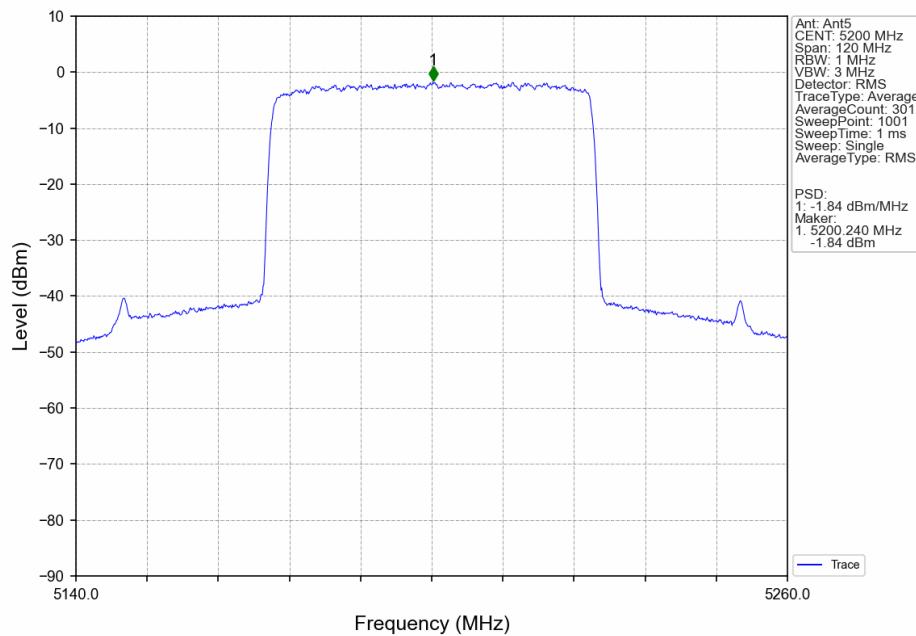
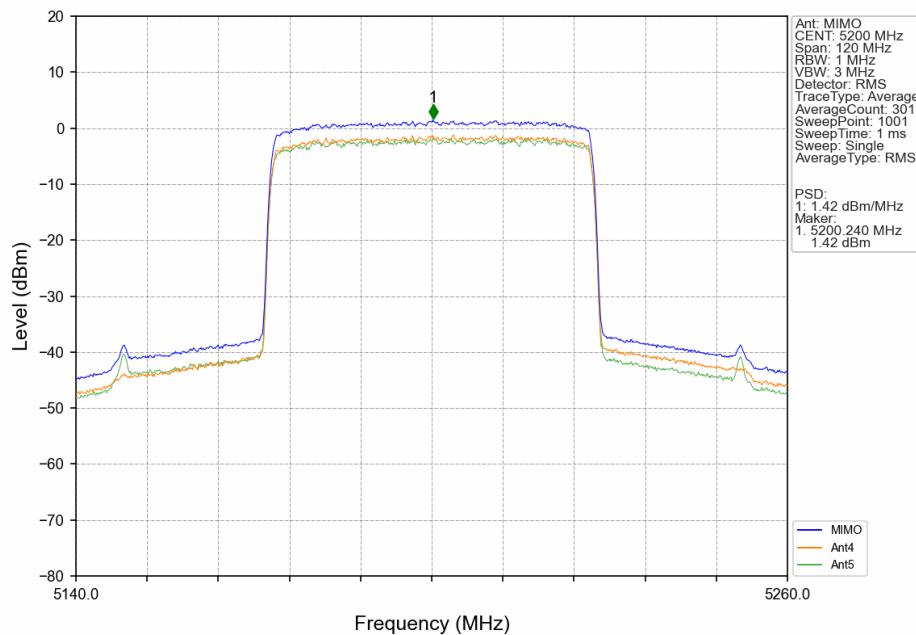
60M_LCH_5180MHz_MIMO_NTNV**60M_MCH_5200MHz_Ant4_NTNV**

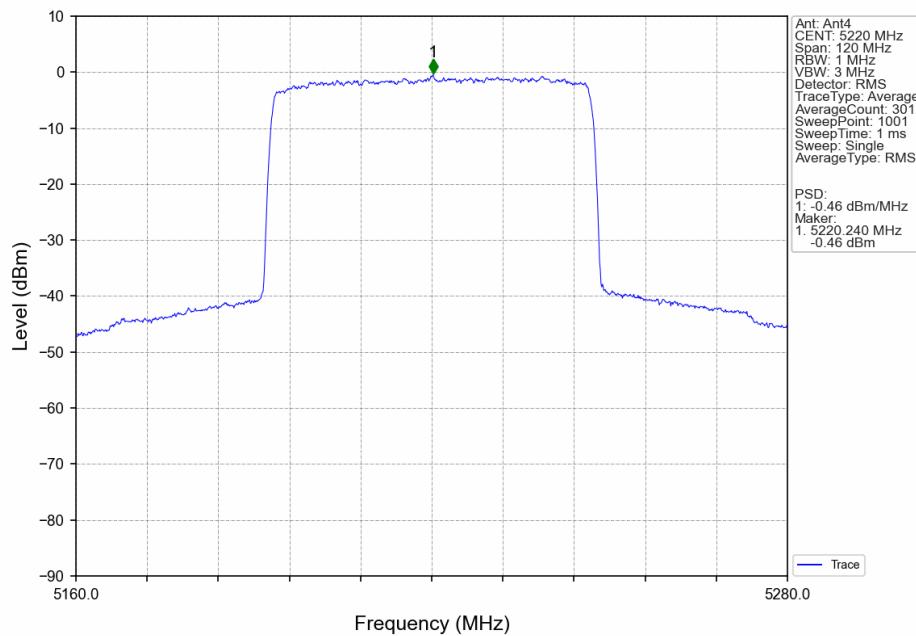
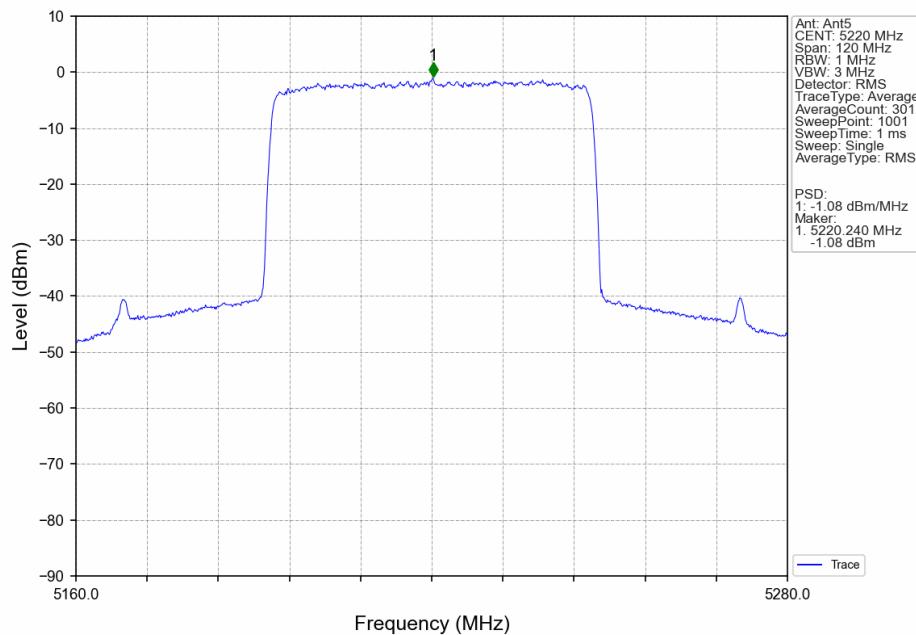
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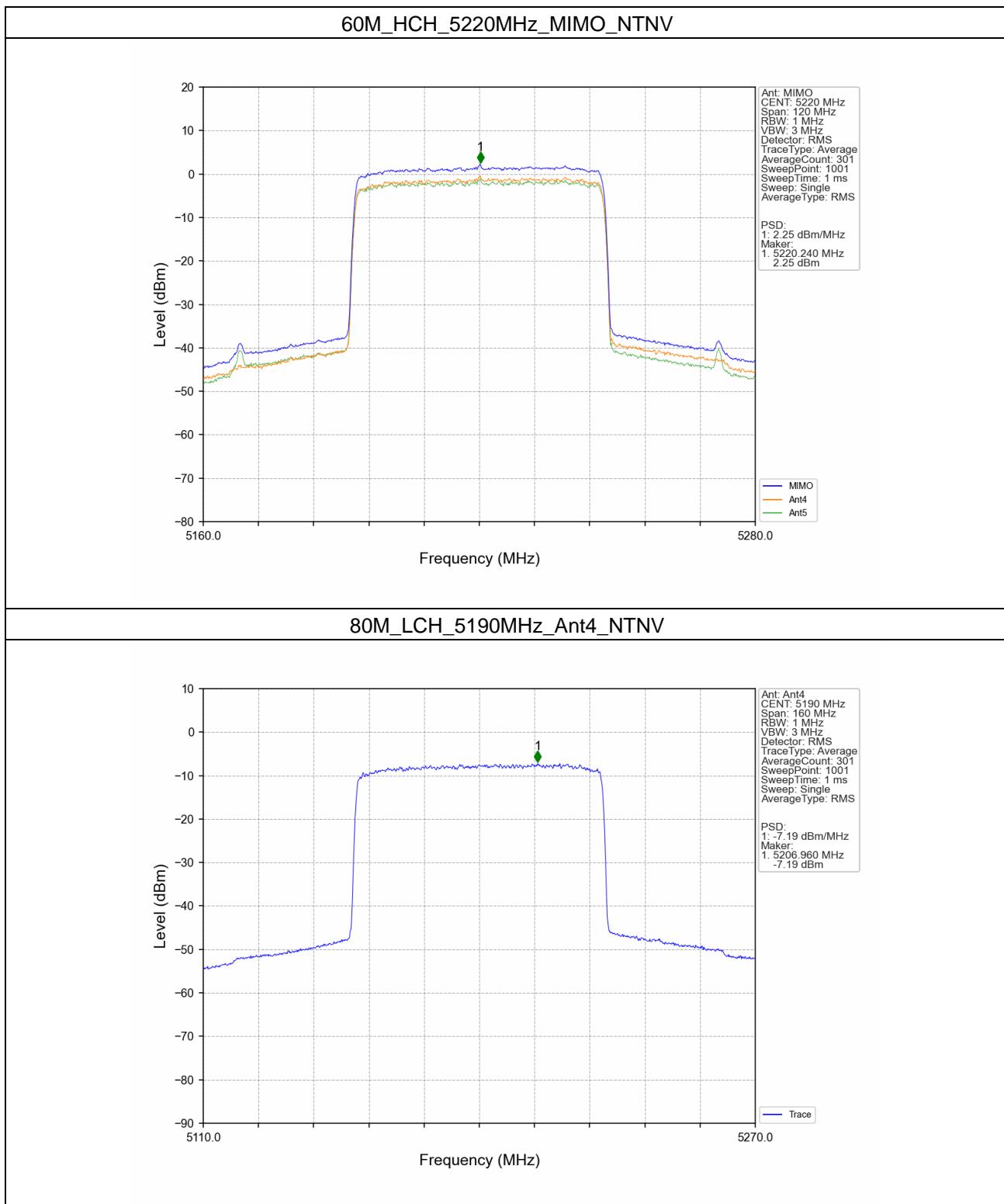
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Shenzhen Branch is a SGS Laboratory

60M_MCH_5200MHz_Ant5_NTNV**60M_MCH_5200MHz_MIMO_NTNV**

60M_HCH_5220MHz_Ant4_NTNV**60M_HCH_5220MHz_Ant5_NTNV**

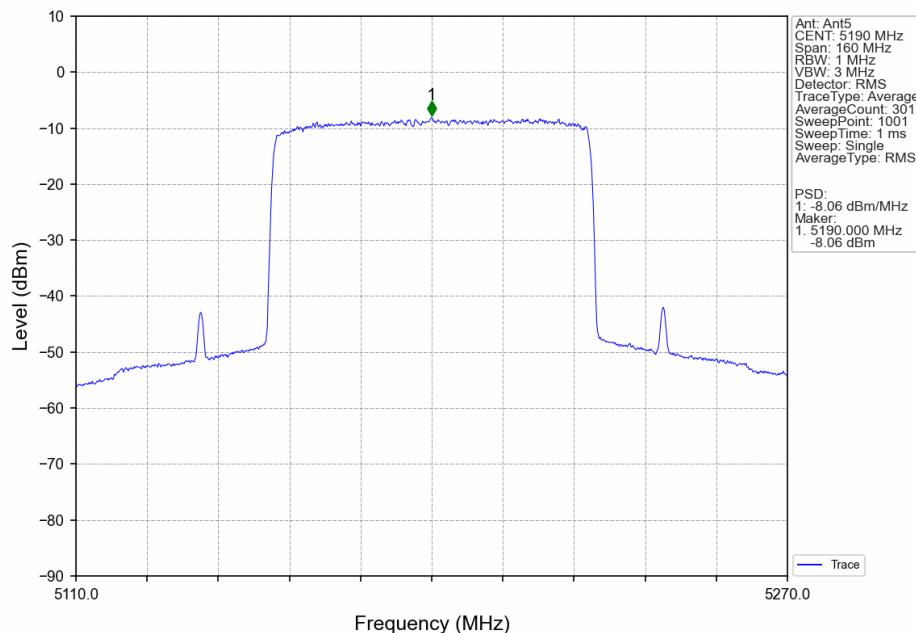
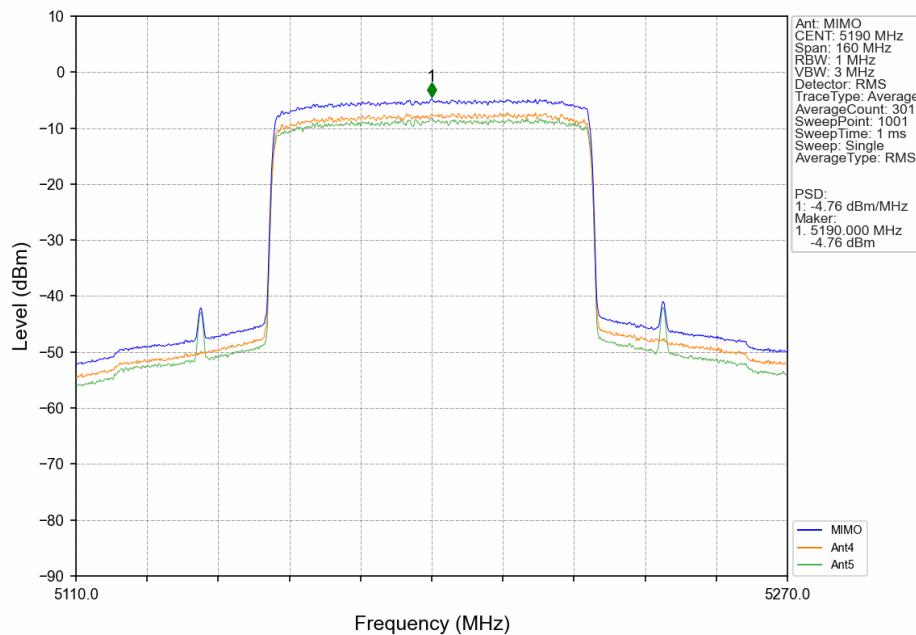
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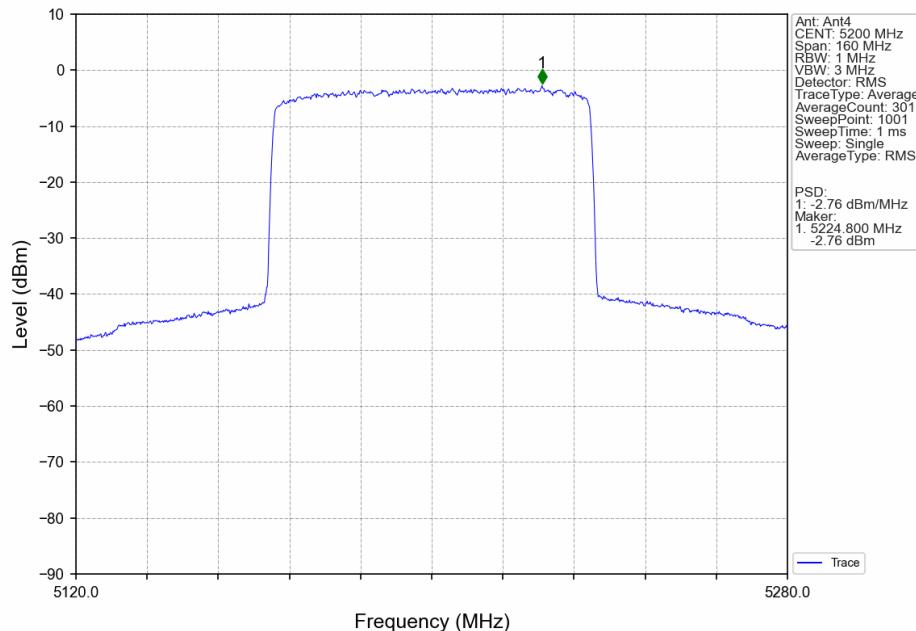
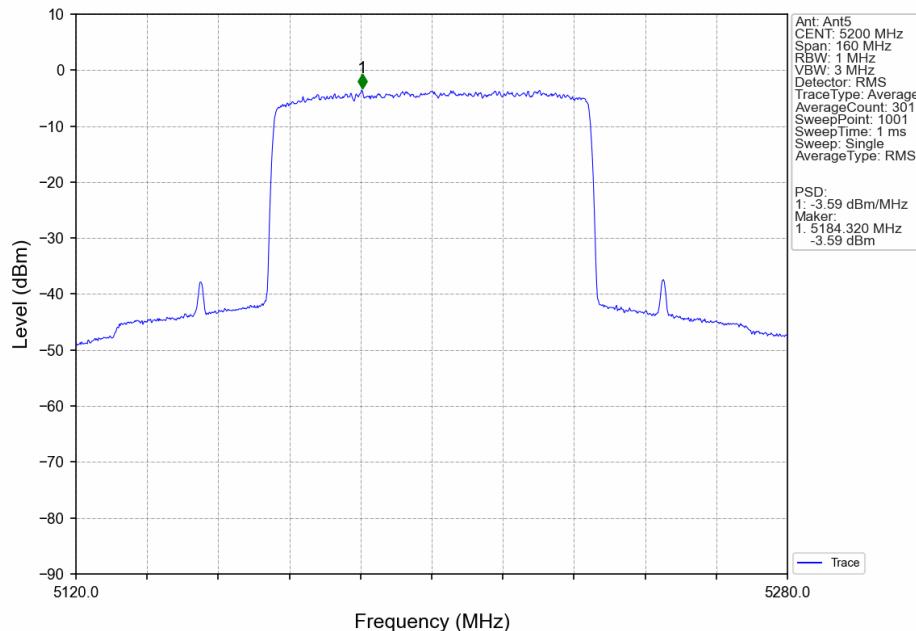
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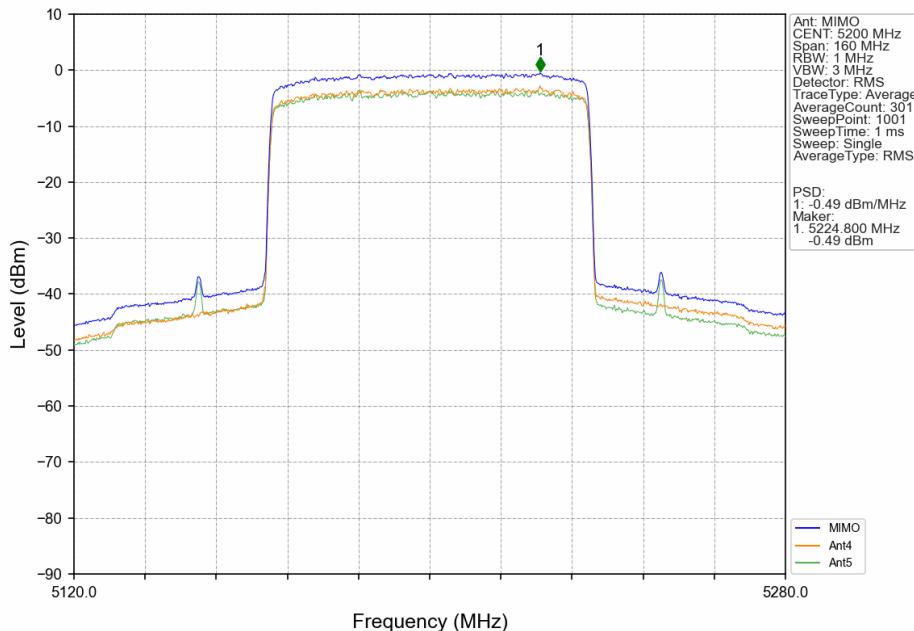
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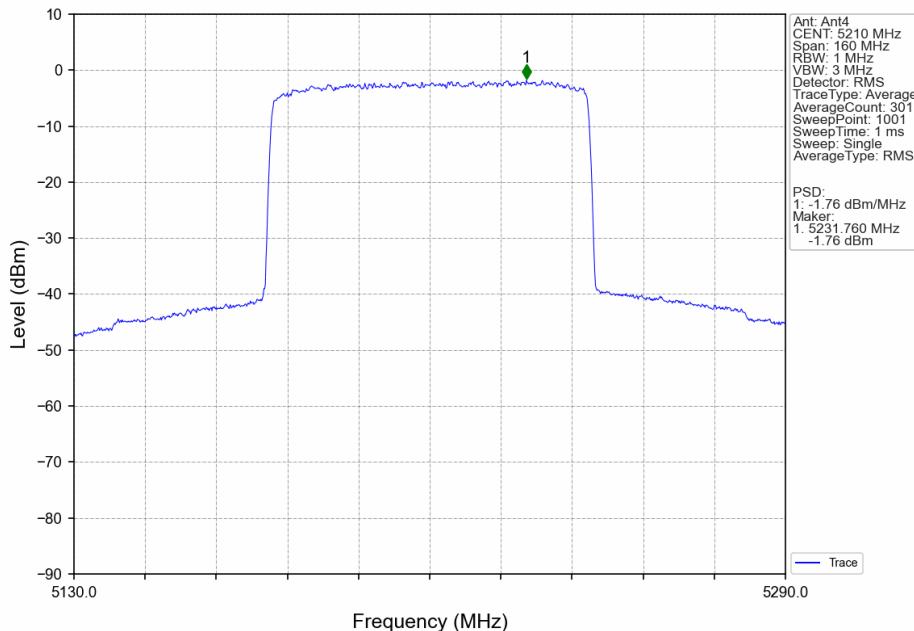
80M_LCH_5190MHz_Ant5_NTNV**80M_LCH_5190MHz_MIMO_NTNV**

80M_MCH_5200MHz_Ant4_NTNV**80M_MCH_5200MHz_Ant5_NTNV**

80M_MCH_5200MHz_MIMO_NTNV

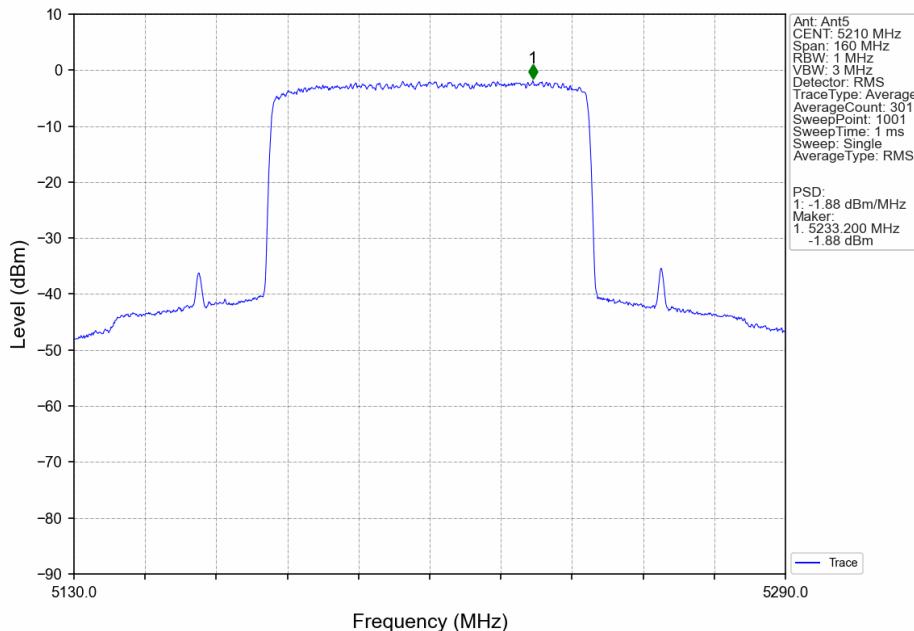
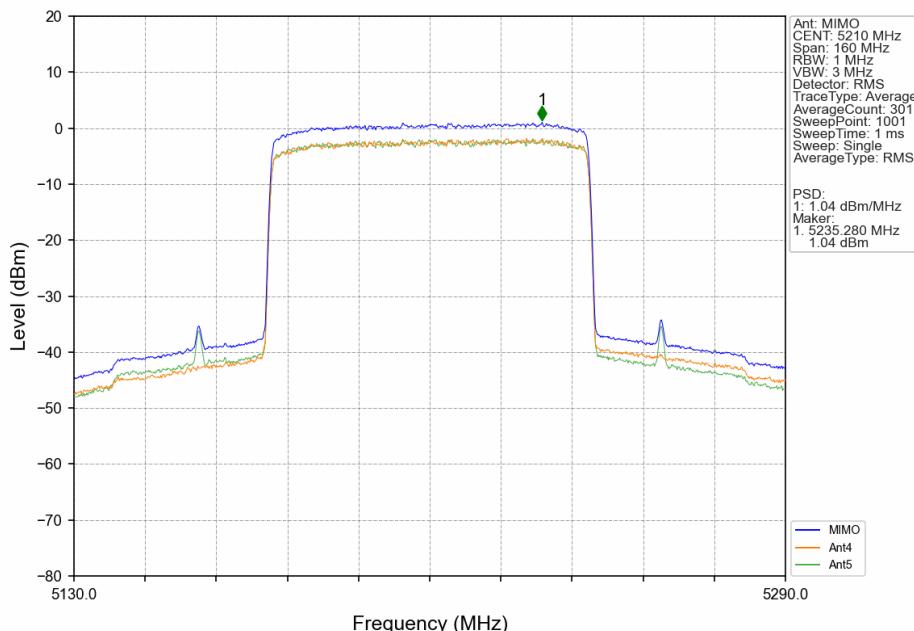


80M_HCH_5210MHz_Ant4_NTNV



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80M_HCH_5210MHz_Ant5_NTNV**80M_HCH_5210MHz_MIMO_NTNV**

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5. Frequency Stability

5.1 Test Result

5.1.1 Ant4

Ant4							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
1.4M	MIMO	5154	20	102	5153.971	5150 to 5250	Pass
				120	5153.972	5150 to 5250	Pass
				138	5153.975	5150 to 5250	Pass
			-30	120	5153.972	5150 to 5250	Pass
			-20	120	5153.976	5150 to 5250	Pass
			-10	120	5153.972	5150 to 5250	Pass
			0	120	5153.972	5150 to 5250	Pass
			10	120	5153.972	5150 to 5250	Pass
			30	120	5153.975	5150 to 5250	Pass
			40	120	5153.975	5150 to 5250	Pass
			50	120	5153.971	5150 to 5250	Pass
		5200	20	102	5199.980	5150 to 5250	Pass
				120	5199.973	5150 to 5250	Pass
				138	5199.972	5150 to 5250	Pass
			-30	120	5199.973	5150 to 5250	Pass
			-20	120	5199.973	5150 to 5250	Pass
			-10	120	5199.973	5150 to 5250	Pass
			0	120	5199.979	5150 to 5250	Pass
			10	120	5199.972	5150 to 5250	Pass
			30	120	5199.973	5150 to 5250	Pass
			40	120	5199.972	5150 to 5250	Pass
			50	120	5199.973	5150 to 5250	Pass
		5248	20	102	5247.973	5150 to 5250	Pass
				120	5247.971	5150 to 5250	Pass
				138	5247.972	5150 to 5250	Pass
			-30	120	5247.972	5150 to 5250	Pass
			-20	120	5247.971	5150 to 5250	Pass
			-10	120	5247.971	5150 to 5250	Pass
			0	120	5247.972	5150 to 5250	Pass
			10	120	5247.969	5150 to 5250	Pass

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			30	120	5247.972	5150 to 5250	Pass
			40	120	5247.973	5150 to 5250	Pass
			50	120	5247.976	5150 to 5250	Pass
3M	MIMO	5154	20	102	5153.997	5150 to 5250	Pass
				120	5154.000	5150 to 5250	Pass
				138	5154.006	5150 to 5250	Pass
			-30	120	5154.006	5150 to 5250	Pass
			-20	120	5154.012	5150 to 5250	Pass
			-10	120	5154.000	5150 to 5250	Pass
			0	120	5154.006	5150 to 5250	Pass
			10	120	5154.006	5150 to 5250	Pass
			30	120	5154.009	5150 to 5250	Pass
			40	120	5154.006	5150 to 5250	Pass
		5199	20	102	5199.006	5150 to 5250	Pass
				120	5199.003	5150 to 5250	Pass
				138	5199.003	5150 to 5250	Pass
			-30	120	5199.000	5150 to 5250	Pass
			-20	120	5199.003	5150 to 5250	Pass
			-10	120	5199.006	5150 to 5250	Pass
			0	120	5199.000	5150 to 5250	Pass
			10	120	5199.003	5150 to 5250	Pass
			30	120	5198.997	5150 to 5250	Pass
			40	120	5199.009	5150 to 5250	Pass
			50	120	5199.000	5150 to 5250	Pass
		5247	20	102	5247.006	5150 to 5250	Pass
				120	5247.009	5150 to 5250	Pass
				138	5247.003	5150 to 5250	Pass
			-30	120	5247.006	5150 to 5250	Pass
			-20	120	5247.003	5150 to 5250	Pass
			-10	120	5247.009	5150 to 5250	Pass
			0	120	5247.006	5150 to 5250	Pass
			10	120	5247.003	5150 to 5250	Pass
			30	120	5247.003	5150 to 5250	Pass
			40	120	5247.003	5150 to 5250	Pass
			50	120	5247.003	5150 to 5250	Pass
5M	MIMO	5155	20	102	5155.035	5150 to 5250	Pass
				120	5155.025	5150 to 5250	Pass
				138	5155.040	5150 to 5250	Pass
			-30	120	5155.035	5150 to 5250	Pass

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			-20	120	5155.020	5150 to 5250	Pass
			-10	120	5155.010	5150 to 5250	Pass
			0	120	5155.040	5150 to 5250	Pass
			10	120	5155.035	5150 to 5250	Pass
			30	120	5155.025	5150 to 5250	Pass
			40	120	5155.040	5150 to 5250	Pass
			50	120	5155.040	5150 to 5250	Pass
			5200	102	5200.025	5150 to 5250	Pass
				20	5200.005	5150 to 5250	Pass
				138	5200.025	5150 to 5250	Pass
				-30	5200.025	5150 to 5250	Pass
				-20	5200.020	5150 to 5250	Pass
				-10	5200.035	5150 to 5250	Pass
				0	5200.030	5150 to 5250	Pass
				10	5200.030	5150 to 5250	Pass
				30	5200.005	5150 to 5250	Pass
				40	5200.035	5150 to 5250	Pass
			5245	50	5200.030	5150 to 5250	Pass
				102	5245.025	5150 to 5250	Pass
				20	5245.030	5150 to 5250	Pass
				138	5245.035	5150 to 5250	Pass
				-30	5245.035	5150 to 5250	Pass
				-20	5245.025	5150 to 5250	Pass
				-10	5245.030	5150 to 5250	Pass
				0	5245.030	5150 to 5250	Pass
				10	5245.020	5150 to 5250	Pass
				30	5245.030	5150 to 5250	Pass
				40	5245.020	5150 to 5250	Pass
				50	5245.030	5150 to 5250	Pass
10M	MIMO	5157		102	5157.000	5150 to 5250	Pass
				20	5157.000	5150 to 5250	Pass
				138	5156.990	5150 to 5250	Pass
				-30	5156.990	5150 to 5250	Pass
				-20	5156.990	5150 to 5250	Pass
				-10	5157.000	5150 to 5250	Pass
				0	5157.000	5150 to 5250	Pass
				10	5157.000	5150 to 5250	Pass
				30	5156.990	5150 to 5250	Pass
				40	5156.990	5150 to 5250	Pass
				50	5157.000	5150 to 5250	Pass

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			5200	20	102	5199.990	5150 to 5250	Pass	
				120	5200.000	5150 to 5250	Pass		
				138	5200.000	5150 to 5250	Pass		
				-30	120	5200.000	5150 to 5250	Pass	
				-20	120	5200.000	5150 to 5250	Pass	
				-10	120	5200.000	5150 to 5250	Pass	
				0	120	5200.000	5150 to 5250	Pass	
				10	120	5200.000	5150 to 5250	Pass	
				30	120	5200.000	5150 to 5250	Pass	
				40	120	5200.000	5150 to 5250	Pass	
				50	120	5200.000	5150 to 5250	Pass	
			5245	20	102	5244.990	5150 to 5250	Pass	
				120	5244.980	5150 to 5250	Pass		
				138	5245.000	5150 to 5250	Pass		
				-30	120	5245.000	5150 to 5250	Pass	
				-20	120	5244.990	5150 to 5250	Pass	
				-10	120	5244.980	5150 to 5250	Pass	
				0	120	5244.980	5150 to 5250	Pass	
				10	120	5244.970	5150 to 5250	Pass	
				30	120	5244.980	5150 to 5250	Pass	
				40	120	5244.990	5150 to 5250	Pass	
				50	120	5245.000	5150 to 5250	Pass	
20M	MIMO	5161		20	102	5160.960	5150 to 5250	Pass	
				120	5160.980	5150 to 5250	Pass		
				138	5161.020	5150 to 5250	Pass		
				-30	120	5161.000	5150 to 5250	Pass	
				-20	120	5161.020	5150 to 5250	Pass	
				-10	120	5160.980	5150 to 5250	Pass	
				0	120	5160.980	5150 to 5250	Pass	
				10	120	5161.020	5150 to 5250	Pass	
				30	120	5161.020	5150 to 5250	Pass	
				40	120	5161.020	5150 to 5250	Pass	
				50	120	5161.020	5150 to 5250	Pass	
		5200		20	102	5199.980	5150 to 5250	Pass	
				120	5199.960	5150 to 5250	Pass		
				138	5199.960	5150 to 5250	Pass		
				-30	120	5200.020	5150 to 5250	Pass	
				-20	120	5200.000	5150 to 5250	Pass	
				-10	120	5199.960	5150 to 5250	Pass	
				0	120	5199.960	5150 to 5250	Pass	

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		5240	10	120	5200.020	5150 to 5250	Pass
			30	120	5199.960	5150 to 5250	Pass
			40	120	5199.980	5150 to 5250	Pass
			50	120	5200.020	5150 to 5250	Pass
			20	102	5239.980	5150 to 5250	Pass
				120	5239.980	5150 to 5250	Pass
				138	5240.020	5150 to 5250	Pass
				-30	5240.000	5150 to 5250	Pass
				-20	5240.020	5150 to 5250	Pass
				-10	5240.000	5150 to 5250	Pass
				0	5239.980	5150 to 5250	Pass
				10	5239.980	5150 to 5250	Pass
				30	5239.980	5150 to 5250	Pass
				40	5240.020	5150 to 5250	Pass
				50	5240.000	5150 to 5250	Pass
40M	MIMO	5170	20	102	5170.000	5150 to 5250	Pass
				120	5170.040	5150 to 5250	Pass
				138	5170.000	5150 to 5250	Pass
				-30	5170.000	5150 to 5250	Pass
				-20	5170.040	5150 to 5250	Pass
				-10	5170.040	5150 to 5250	Pass
				0	5170.040	5150 to 5250	Pass
				10	5170.040	5150 to 5250	Pass
				30	5170.000	5150 to 5250	Pass
				40	5170.000	5150 to 5250	Pass
				50	5170.000	5150 to 5250	Pass
		5200	20	102	5200.000	5150 to 5250	Pass
				120	5200.080	5150 to 5250	Pass
				138	5200.200	5150 to 5250	Pass
				-30	5200.080	5150 to 5250	Pass
				-20	5200.120	5150 to 5250	Pass
				-10	5200.120	5150 to 5250	Pass
				0	5200.080	5150 to 5250	Pass
				10	5200.080	5150 to 5250	Pass
				30	5200.120	5150 to 5250	Pass
				40	5200.120	5150 to 5250	Pass
				50	5200.240	5150 to 5250	Pass
		5230	20	102	5230.280	5150 to 5250	Pass
				120	5230.200	5150 to 5250	Pass
				138	5230.200	5150 to 5250	Pass

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			-30	120	5230.240	5150 to 5250	Pass
			-20	120	5230.280	5150 to 5250	Pass
			-10	120	5230.200	5150 to 5250	Pass
			0	120	5230.240	5150 to 5250	Pass
			10	120	5230.240	5150 to 5250	Pass
			30	120	5230.240	5150 to 5250	Pass
			40	120	5230.200	5150 to 5250	Pass
			50	120	5230.200	5150 to 5250	Pass
60M	MIMO	5180	20	102	5180.060	5150 to 5250	Pass
				120	5180.000	5150 to 5250	Pass
				138	5180.060	5150 to 5250	Pass
			-30	120	5180.060	5150 to 5250	Pass
			-20	120	5180.060	5150 to 5250	Pass
			-10	120	5180.060	5150 to 5250	Pass
			0	120	5180.060	5150 to 5250	Pass
			10	120	5180.060	5150 to 5250	Pass
			30	120	5180.060	5150 to 5250	Pass
			40	120	5180.060	5150 to 5250	Pass
			50	120	5180.060	5150 to 5250	Pass
		5200	20	102	5200.120	5150 to 5250	Pass
				120	5200.060	5150 to 5250	Pass
				138	5200.120	5150 to 5250	Pass
			-30	120	5200.120	5150 to 5250	Pass
			-20	120	5200.060	5150 to 5250	Pass
			-10	120	5199.940	5150 to 5250	Pass
			0	120	5200.000	5150 to 5250	Pass
			10	120	5200.060	5150 to 5250	Pass
			30	120	5200.120	5150 to 5250	Pass
			40	120	5200.060	5150 to 5250	Pass
			50	120	5200.120	5150 to 5250	Pass
		5220	20	102	5219.940	5150 to 5250	Pass
				120	5220.000	5150 to 5250	Pass
				138	5220.120	5150 to 5250	Pass
			-30	120	5220.060	5150 to 5250	Pass
			-20	120	5220.120	5150 to 5250	Pass
			-10	120	5220.060	5150 to 5250	Pass
			0	120	5220.000	5150 to 5250	Pass
			10	120	5220.060	5150 to 5250	Pass
			30	120	5220.060	5150 to 5250	Pass
			40	120	5220.180	5150 to 5250	Pass

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			50	120	5220.120	5150 to 5250	Pass		
5190	80M	MIMO	5200	102	5190.000	5150 to 5250	Pass		
				20	5190.000	5150 to 5250	Pass		
				120	5190.000	5150 to 5250	Pass		
				138	5190.000	5150 to 5250	Pass		
				-30	120	5190.000	5150 to 5250	Pass	
				-20	120	5190.000	5150 to 5250	Pass	
				-10	120	5190.000	5150 to 5250	Pass	
				0	120	5190.000	5150 to 5250	Pass	
				10	120	5190.000	5150 to 5250	Pass	
				30	120	5190.000	5150 to 5250	Pass	
5210			5210	40	120	5190.000	5150 to 5250	Pass	
				50	120	5190.000	5150 to 5250	Pass	
				20	102	5200.000	5150 to 5250	Pass	
					120	5200.000	5150 to 5250	Pass	
					138	5200.000	5150 to 5250	Pass	
					-30	120	5200.075	5150 to 5250	Pass
					-20	120	5200.000	5150 to 5250	Pass
				-10	120	5200.000	5150 to 5250	Pass	
					0	5200.000	5150 to 5250	Pass	
					10	5200.000	5150 to 5250	Pass	
					30	5200.000	5150 to 5250	Pass	
					40	5200.000	5150 to 5250	Pass	
				50	120	5200.075	5150 to 5250	Pass	
					102	5210.375	5150 to 5250	Pass	
					120	5210.450	5150 to 5250	Pass	
					138	5210.375	5150 to 5250	Pass	
					-30	120	5210.375	5150 to 5250	Pass
				-20	120	5210.375	5150 to 5250	Pass	
					-10	120	5210.450	5150 to 5250	Pass
					0	5210.300	5150 to 5250	Pass	
					10	5210.300	5150 to 5250	Pass	
					30	5210.225	5150 to 5250	Pass	
				40	120	5210.300	5150 to 5250	Pass	
					50	5210.300	5150 to 5250	Pass	

1. Duty Cycle

1.1 Test Result

1.1.1 Ant0

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Ant0							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1.4M	MIMO	5154	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5248	100.000	100.000	100.00	0.00	0.00
3M	MIMO	5154	100.000	100.000	100.00	0.00	0.00
		5199	100.000	100.000	100.00	0.00	0.00
		5247	100.000	100.000	100.00	0.00	0.00
5M	MIMO	5155	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5245	100.000	100.000	100.00	0.00	0.00
10M	MIMO	5157	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5245	100.000	100.000	100.00	0.00	0.00
20M	MIMO	5161	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5240	100.000	100.000	100.00	0.00	0.00
40M	MIMO	5170	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5230	100.000	100.000	100.00	0.00	0.00
60M	MIMO	5180	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5220	100.000	100.000	100.00	0.00	0.00
80M	MIMO	5190	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5210	100.000	100.000	100.00	0.00	0.00

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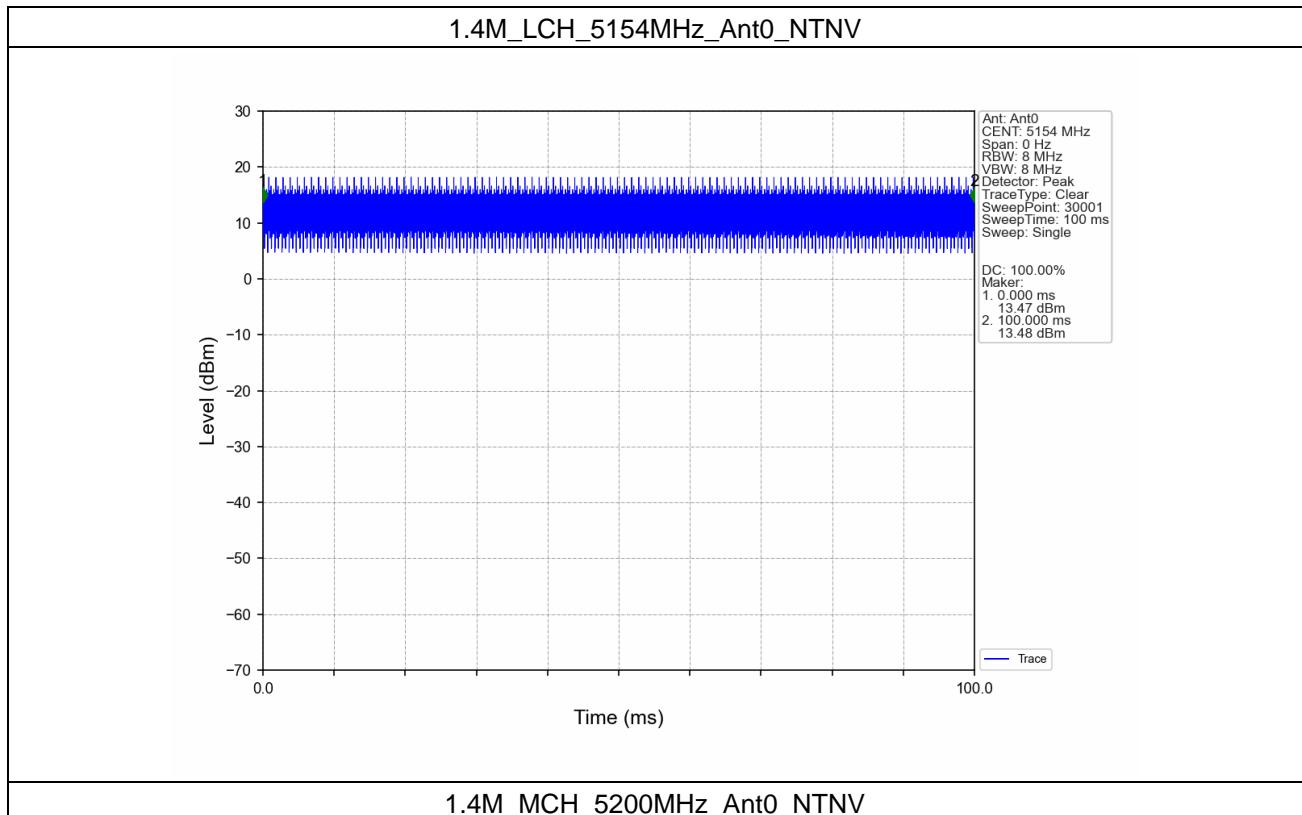
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1.2 Test Graph

1.2.1 Ant0



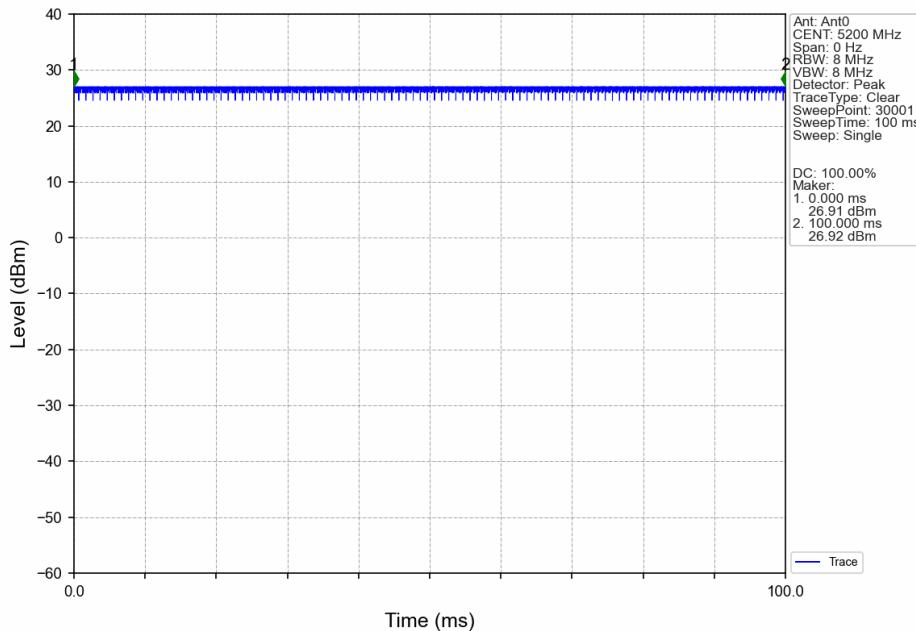
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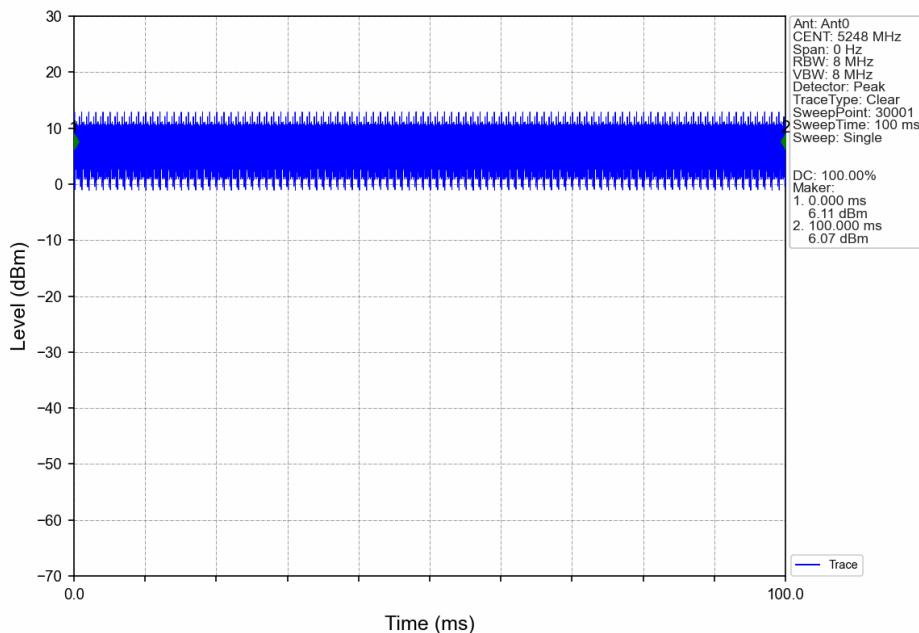
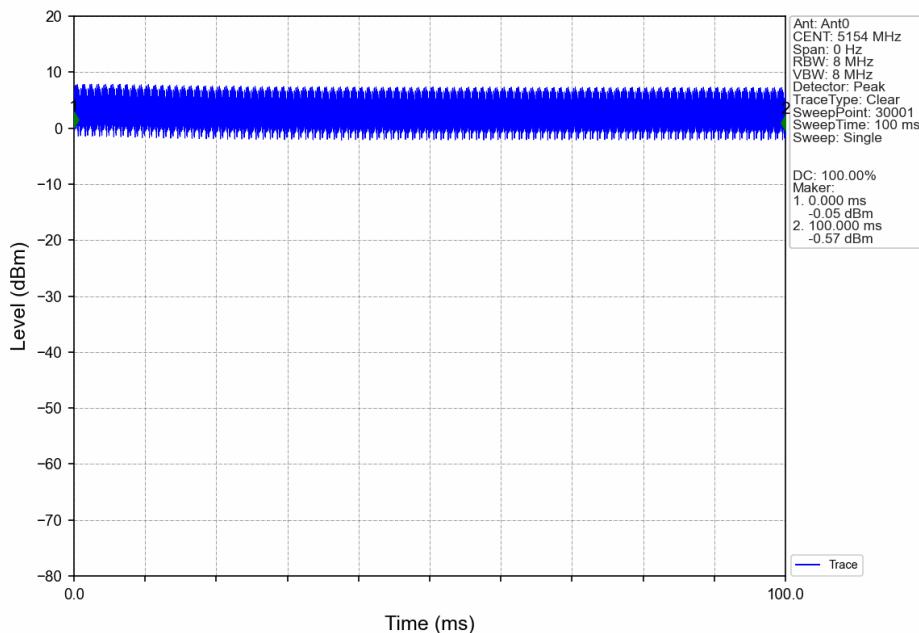
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1.4M_HCH_5248MHz_Ant0_NTNV**3M_LCH_5154MHz_Ant0_NTNV**

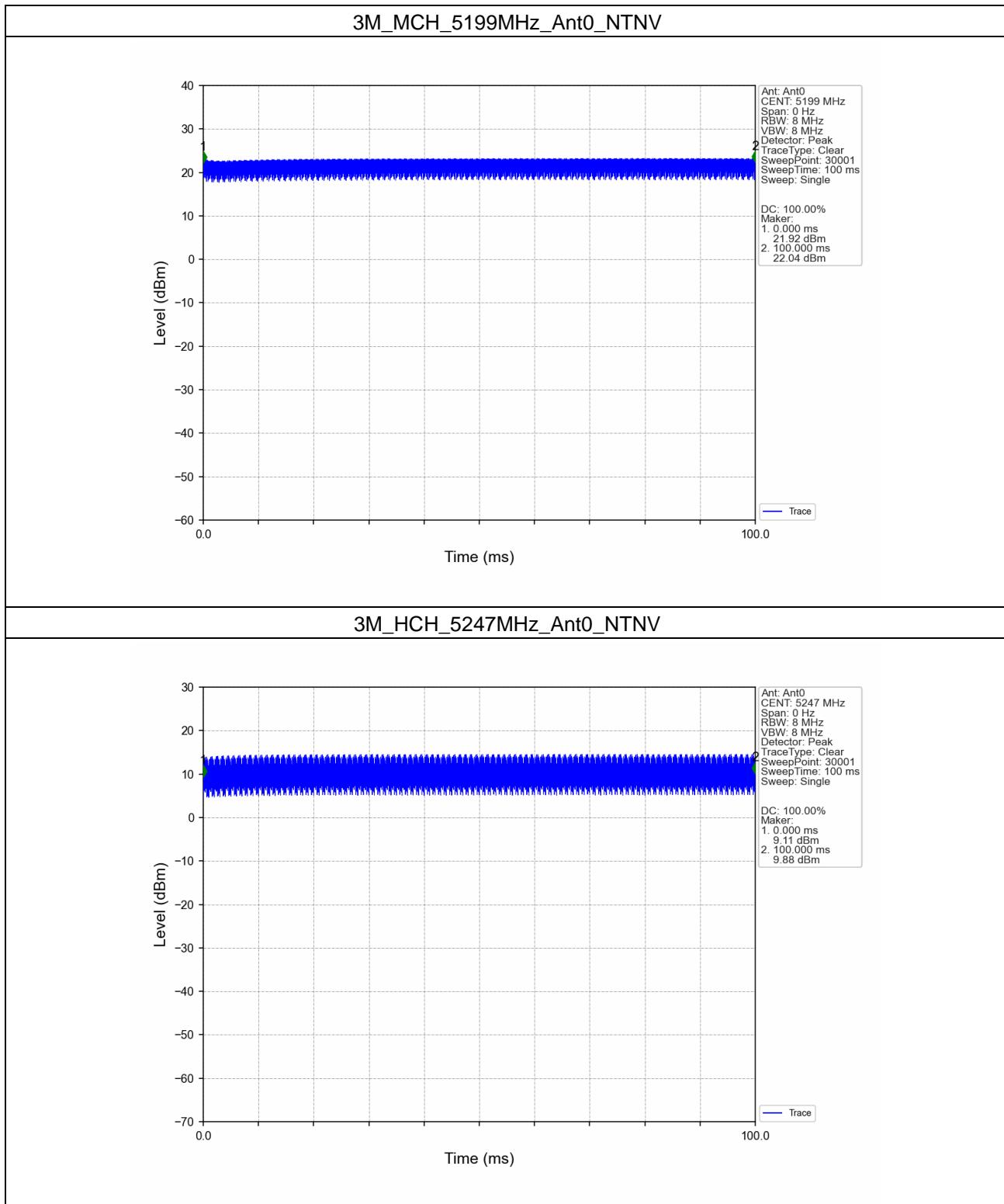
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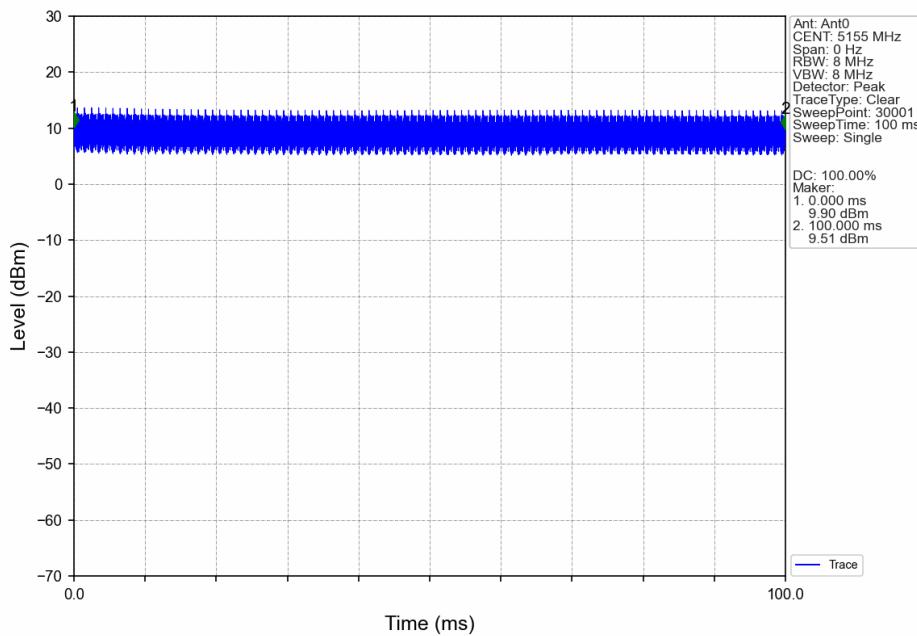
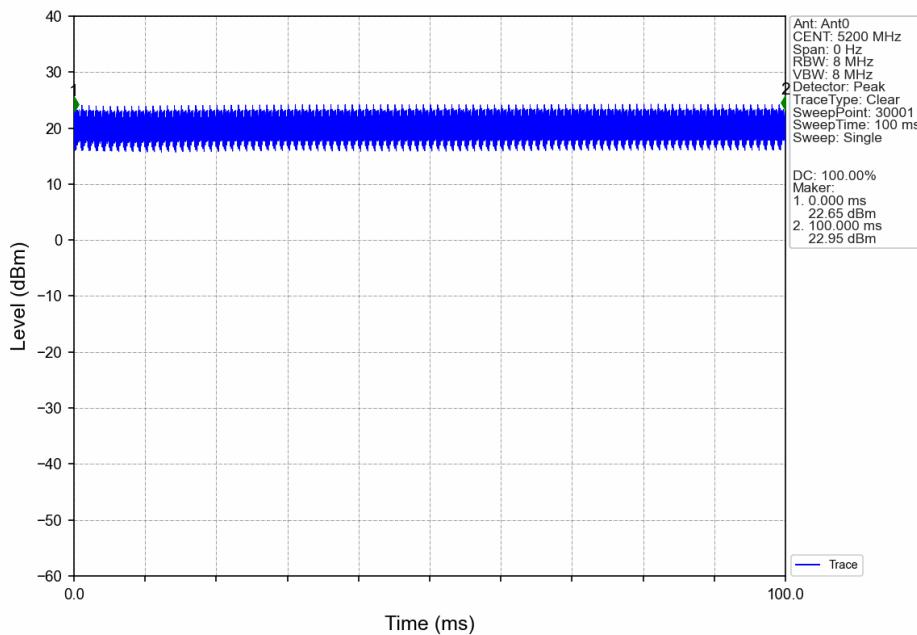
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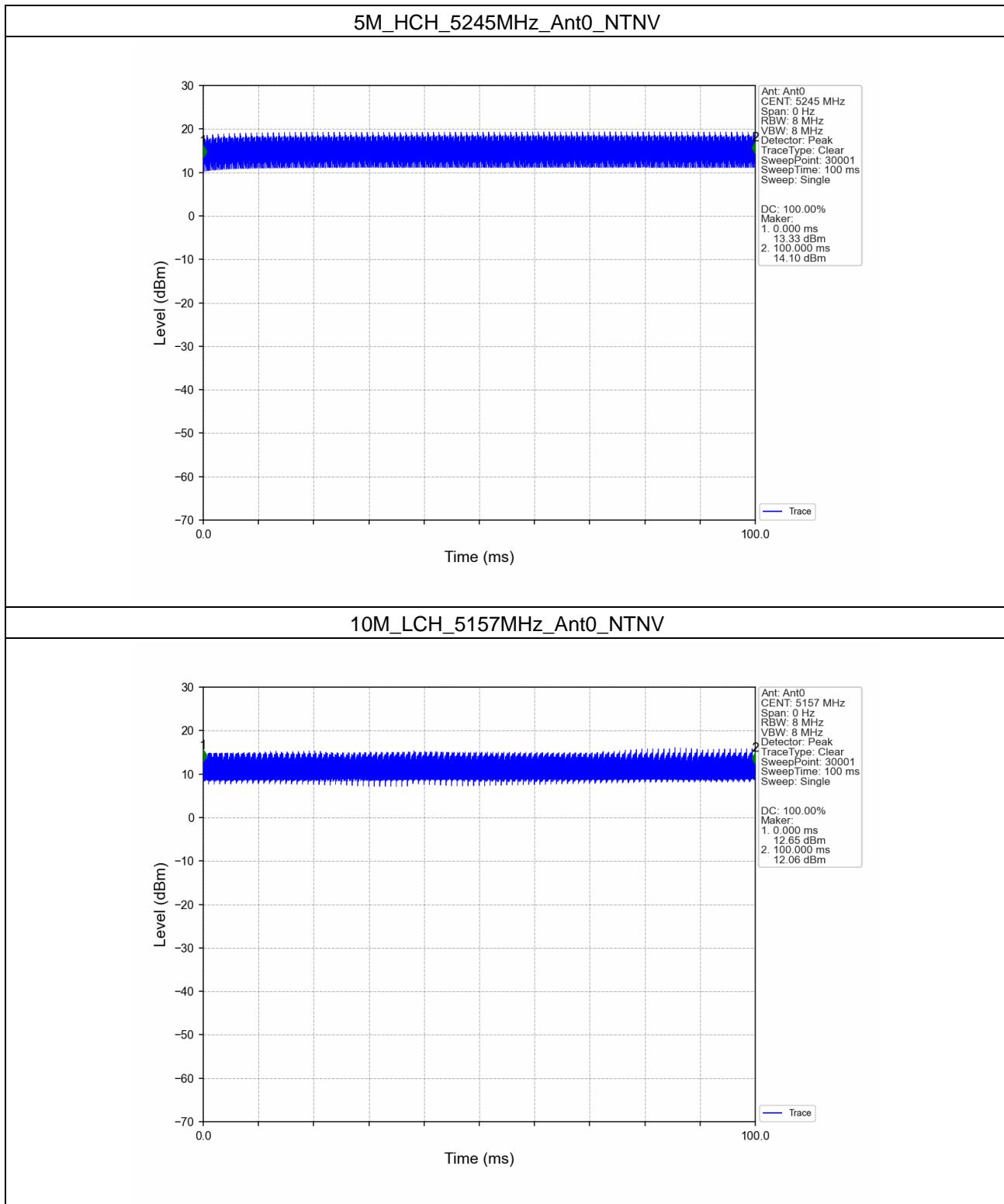
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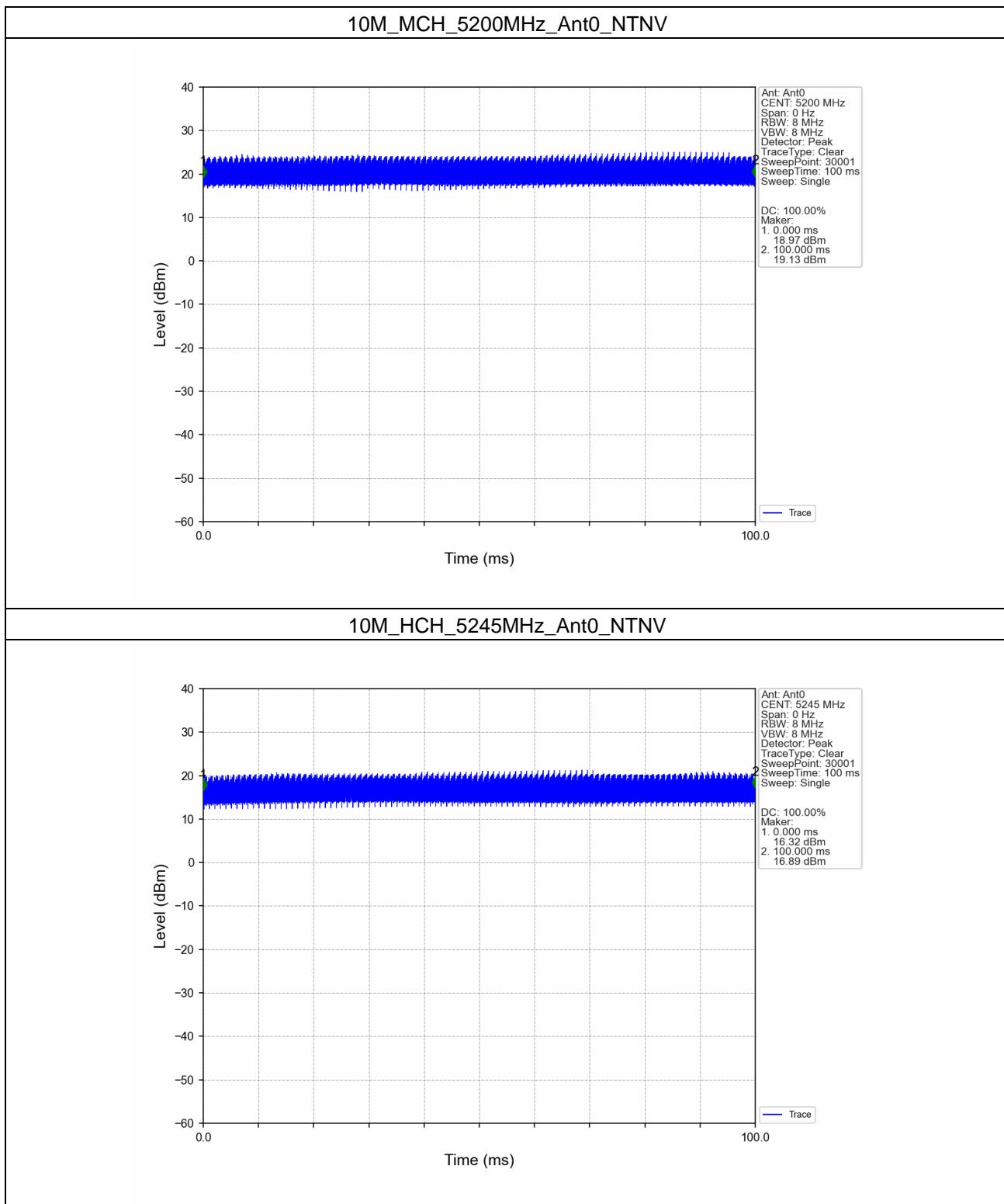
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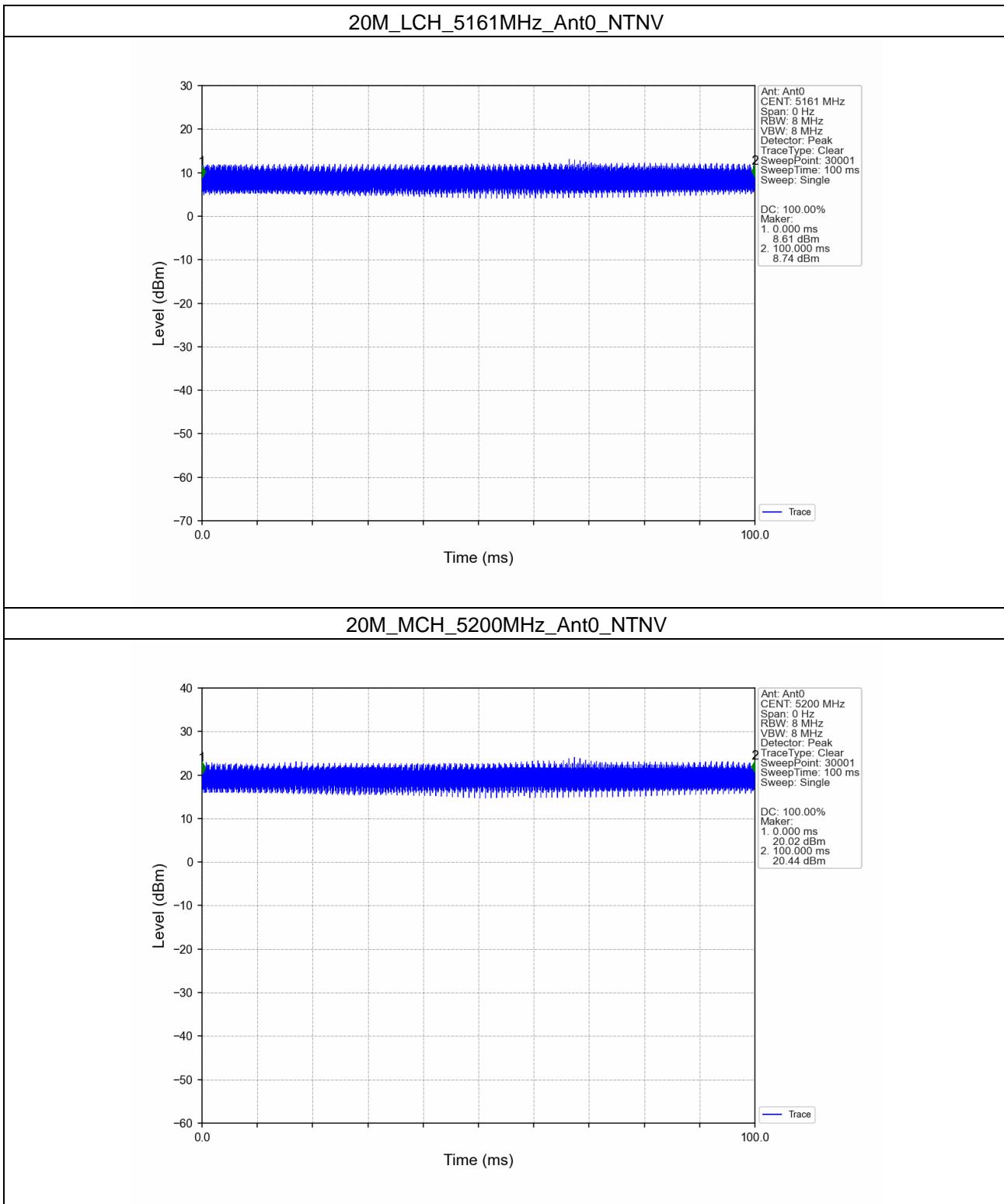
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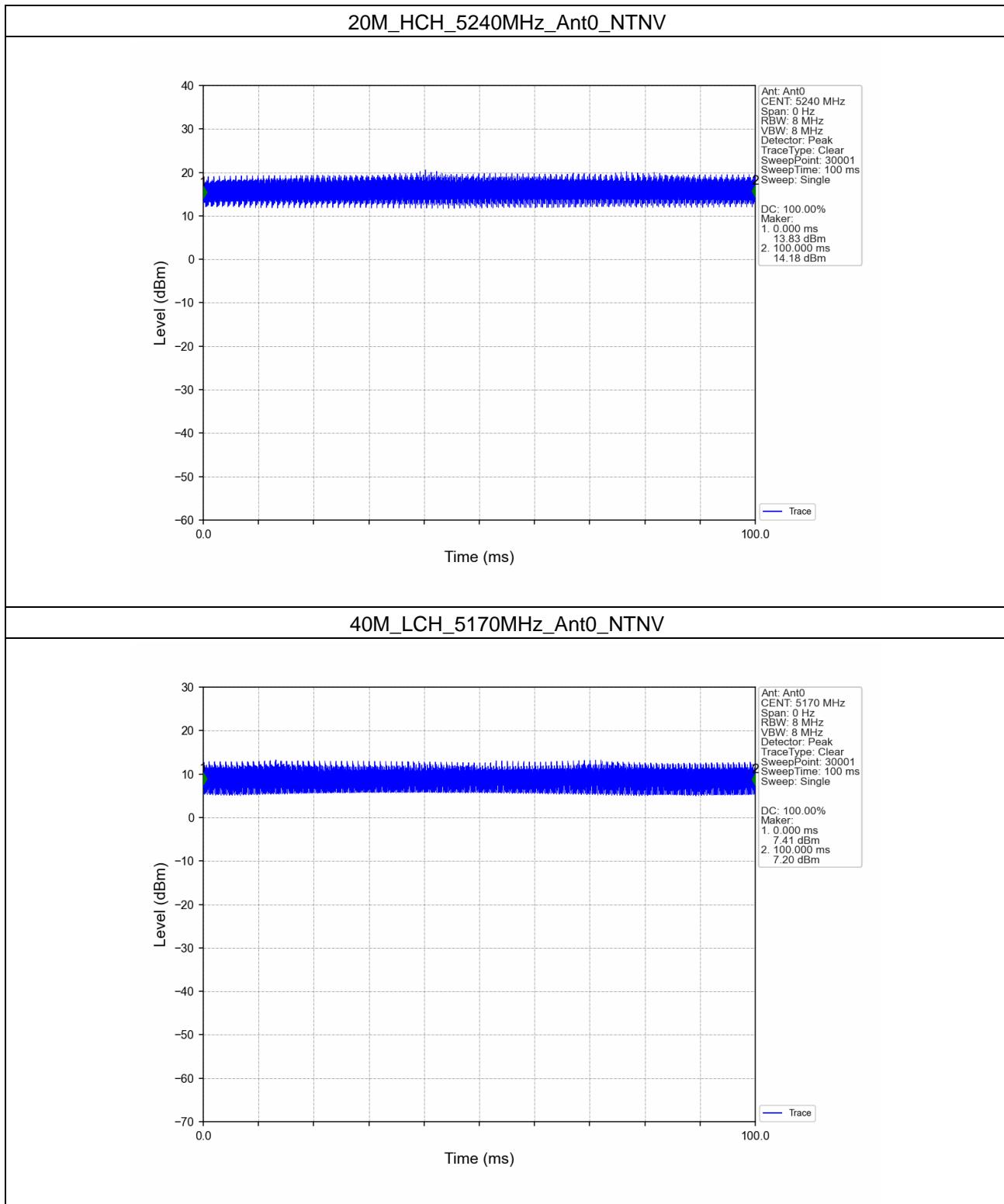


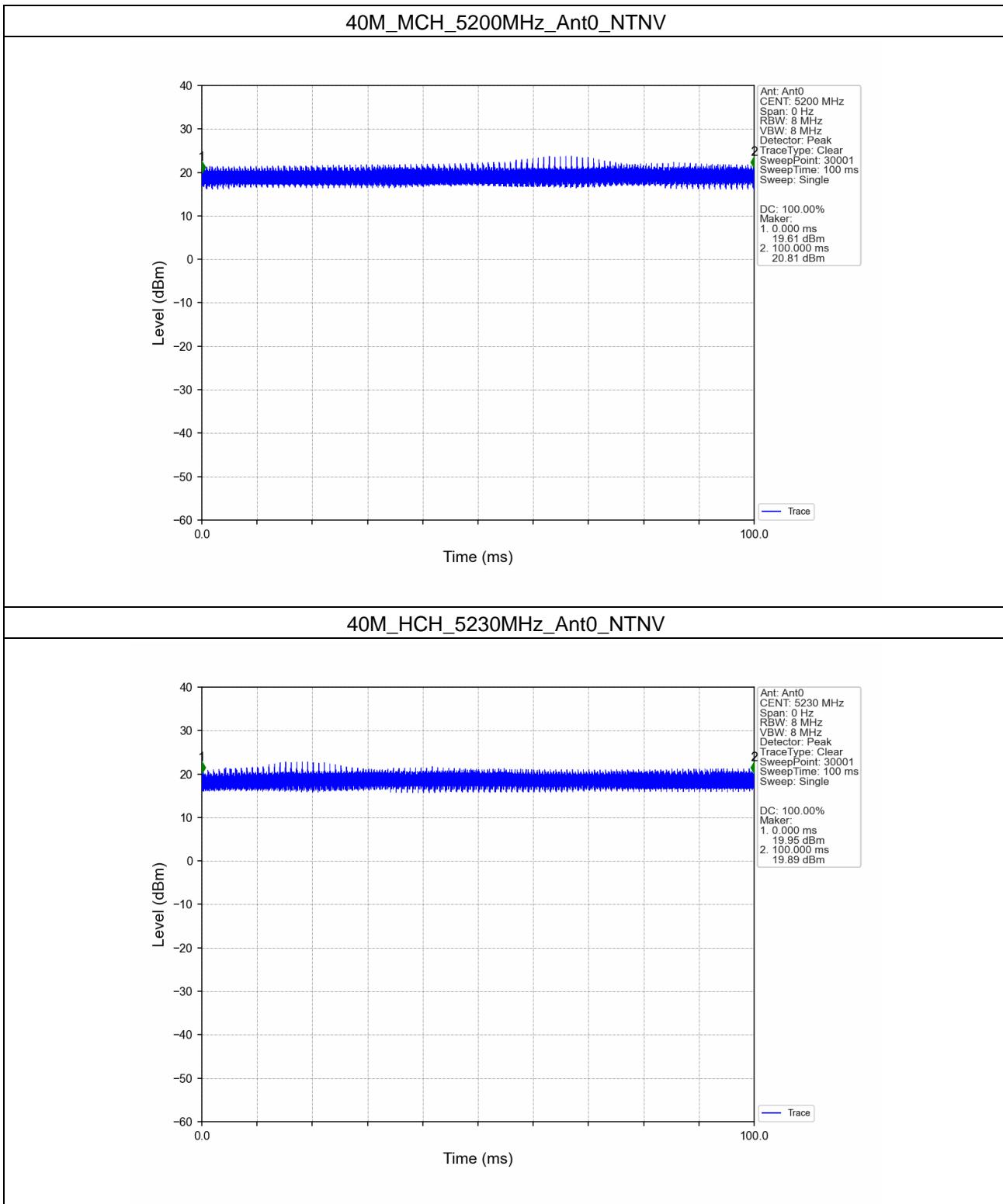
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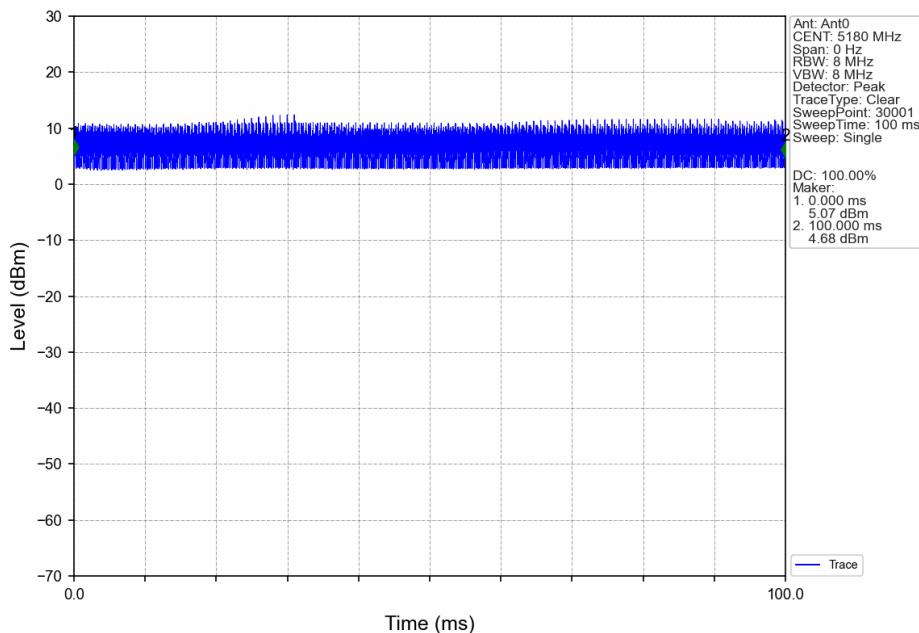
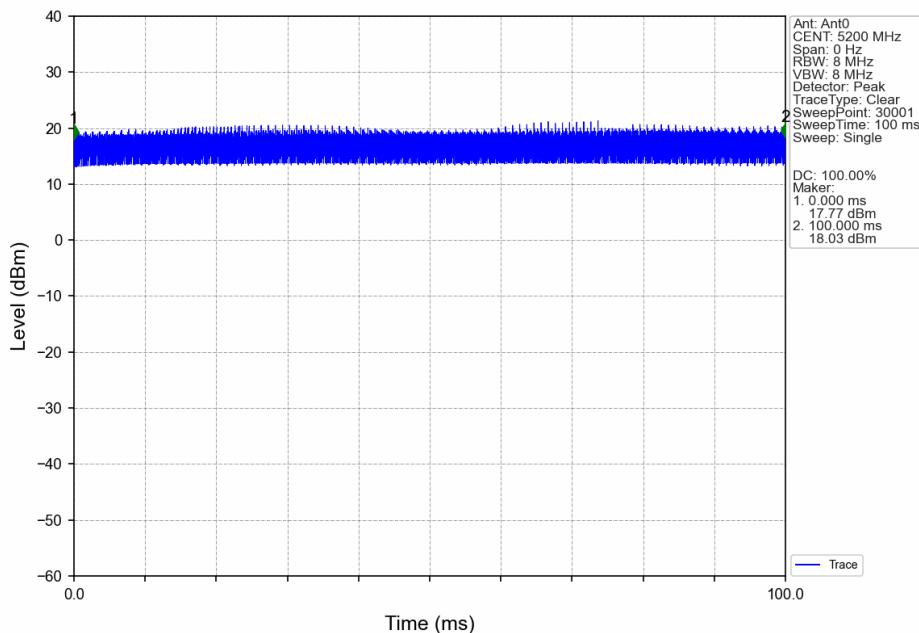


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60M_LCH_5180MHz_Ant0_NTNV**60M_MCH_5200MHz_Ant0_NTNV**

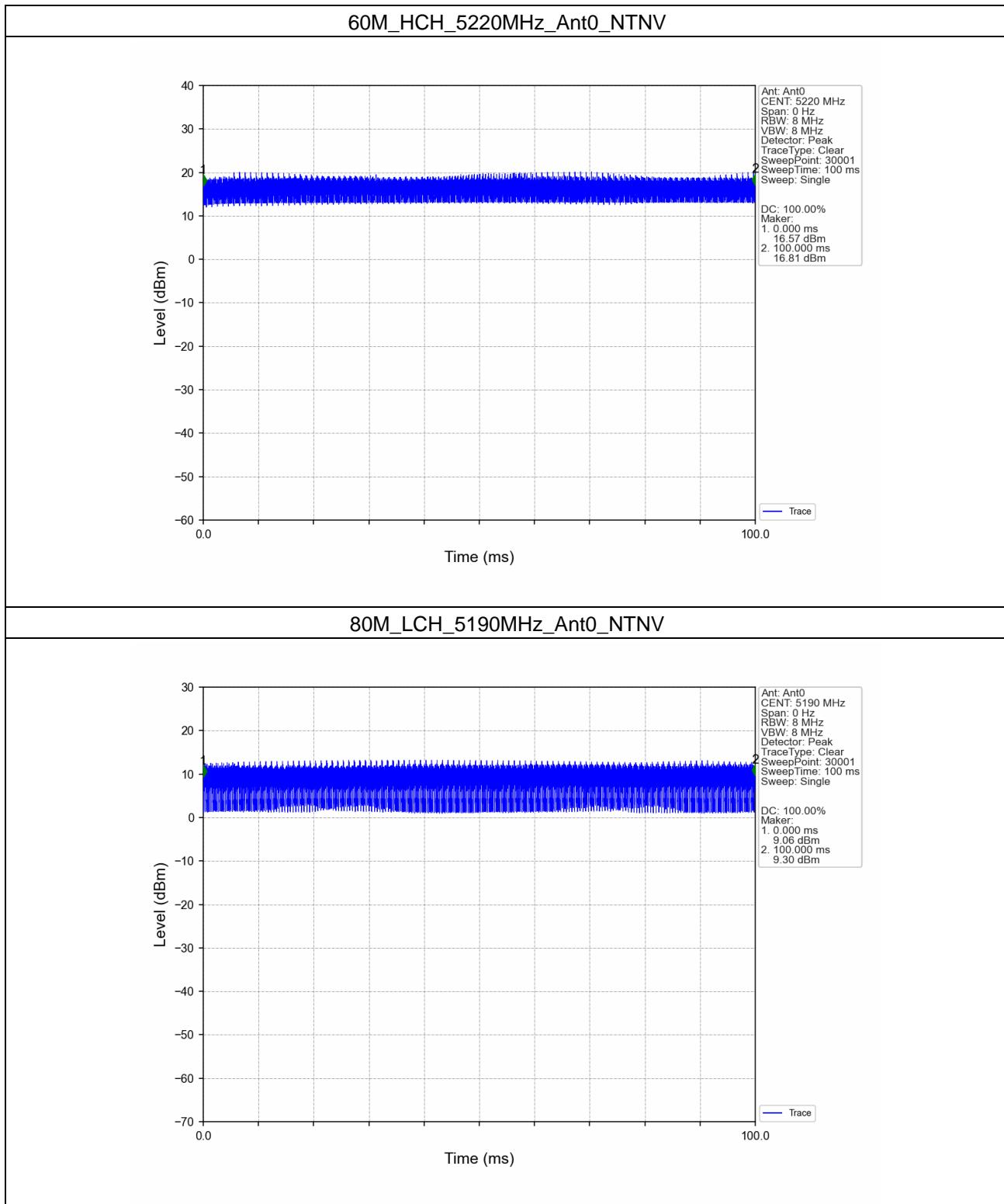
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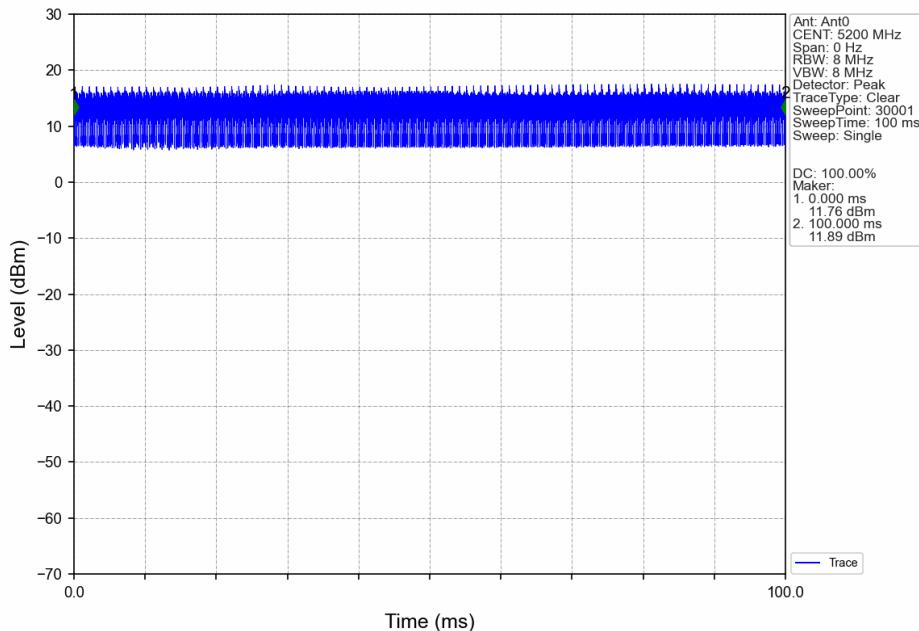
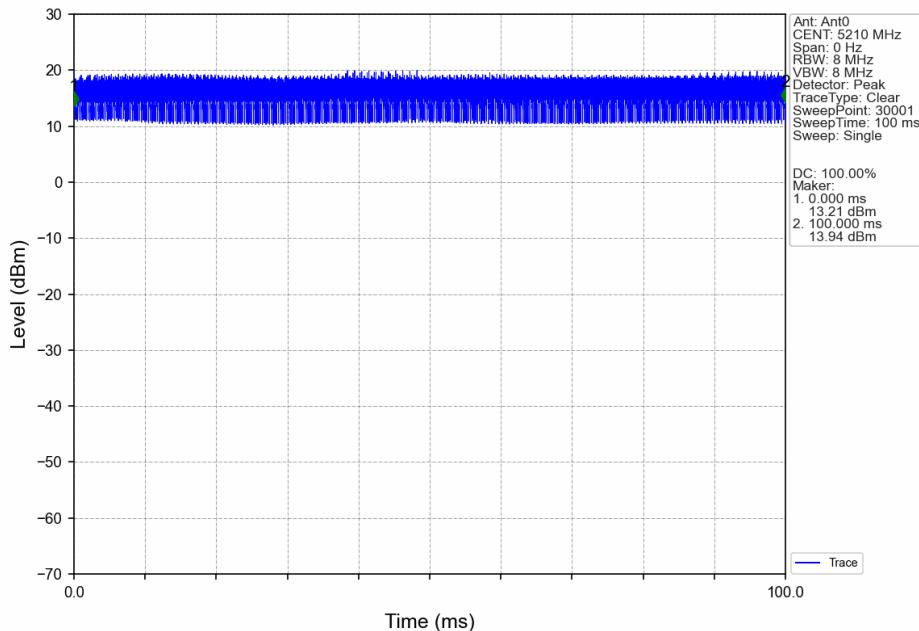
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80M_MCH_5200MHz_Ant0_NTNV**80M_HCH_5210MHz_Ant0_NTNV**

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2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1.4M	MIMO	5154	0	1.278	/	Pass
		5200	0	1.270	/	Pass
		5248	0	1.285	/	Pass
3M	MIMO	5154	0	2.296	/	Pass
		5199	0	2.294	/	Pass
		5247	0	2.301	/	Pass
5M	MIMO	5155	0	4.466	/	Pass
		5200	0	4.463	/	Pass
		5245	0	4.463	/	Pass
10M	MIMO	5157	0	9.077	/	Pass
		5200	0	9.092	/	Pass
		5245	0	9.085	/	Pass
20M	MIMO	5161	0	18.059	/	Pass
		5200	0	18.087	/	Pass
		5240	0	18.072	/	Pass
40M	MIMO	5170	0	36.012	/	Pass
		5200	0	32.059	/	Pass
		5230	0	31.950	/	Pass
60M	MIMO	5180	0	53.862	/	Pass
		5200	0	51.917	/	Pass
		5220	0	51.886	/	Pass
80M	MIMO	5190	0	71.197	/	Pass
		5200	0	71.313	/	Pass
		5210	0	61.486	/	Pass

2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
1.4M	MIMO	5154	0	1.602	/	Pass
		5200	0	1.488	/	Pass

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